VEOLIA
WATER

January 7, 2015

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

Re: **December 2014 Monthly Operating Report**

Dear Mr. Merancy:

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

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

Sincerely,
Veolia Water North America – Northeast, LLC

John Batorski
Plant Manager
Veolia Water Naugatuck

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

(enclosure)

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

Borough of Naugatuck
Monthly WPCF Report December 2014

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

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

Please see attached Collections Report.

3. **Plant Performance Summary:**

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

Plant Process Data	Limit	Actual
Total Suspended Solids (mg/l)		
Influent Avg.	-	180
Effluent Avg.	30	5
Removal Efficiency	85%	97%
Plant Process Data*	Limit	Actual
Carbonaceous BOD		
Influent Avg.	-	105
Eff Avg(Nov 1 – May 31)	25	
Eff Avg(June – Oct 31)	15	4
Removal Efficiency	85%	96%

Discharge Permit Exceedance: None

	Naugatuck	Middlebury	Oxford	OTR
Dec Flow Avg. (MGD)	6.2	0.736	0.050	N/A
Sludge Liquid Total (MGal)				4692.7
Sludge Cake Total (Wet Tons)				5048.2
Septage Total (MGal)	92,500	26,000	169,750	516,050

Discharge Permit Exceedance: None

Safety Incidents and Odor Complaints

	Month	YTD
Recordable Accidents	0	0
Lost Time Accidents	0	0
Odor Complaints	0	12
Unconfirmed Odor Complaints	0	2

1. **Compliance & Regulatory Issues**
   a. There were no odor complaints in December.
2. **Personnel**
   a. No report.
3. **.Health & Safety**
   a. Monthly safety meetings were held.
   b. The Collection crew will have an audiometric survey performed in January 2015.
   c. Annual respiratory and audiometric testing has been scheduled for 2015.
4. **Operational Information**
   a. Thomas Loto from Kleinfelder requested Veolia submit pricing for Collection system CCTV, manhole evaluations, smoke testing, dye testing and building inspections.
   b. Repairs were completed on shear pin hubs for the secondary clarifiers.

c. Kathy Luvisi of ARI performed her annual plant/collection system inspection on Dec. 22, 2014.

5. **Collections**
   a. The grease trap for a local Borough owned restaurant was cleaned as an out of scope cleaning.
   b. The Collections staff assisted Borough personnel with a storm sewer cleaning on Dec17.
   c. The invoice from Metro North for $15,721.20, dated 11/26/14 was received on Dec 29, 2014. An invoice will be prepared.
   d. A call for service for the Lounsbury sewer was received. That single lateral serves multiple homes and is not on a sewer map. This has been an ongoing issue. Staff responded to this out of scope call and jetted the lateral. Roots are the major issue.

6. **Maintenance**
   a. The main coupling for the 53 ft. conveyor that feeds the sludge to the thermal dryer broke on Dec 15. Repairs were completed.
   b. One of the chopper pumps for the sludge storage tanks is showing signs of wear. These pumps operate at ~400 gpm, 24/7 recirculating the liquid sludge. Repairs will be scheduled.
   c. The North J Spin will be sent out for repair as the Roto Diff failed. The hydraulic power pack will also be rebuilt at that time.

7. **Capital Projects**
   a. No report.

Borough of Naugatuck
Collections Systems Report
December 2014

VEOLIA WATER

	Calls for Service
1	12/08 - 188 Beacon Manor Rd
2	12/14 - 12 Lounsbury St
3	12/22 - 21 Cedar St
4	
5	
6	

This Month	Year to Date
3	10

	Calls Caused By Collection System	Reason
1	12 Lounsbury st	roots in the line
2	21 Cedar st	rags and grease in line
3		
4		

High Velocity Cleaning

	Street Name	Date	Footage
1	Morning Mist 11-102 to 11-26	12/1/2014	565
2	Sunburst 11-26 to 11-23	12/1/2014	950
3	Corn Tassle rd 11-47 to 11-24	12/1/2014	340
4	Rustling Reed rd 11-96 to 11-23	12/1/2014	360
5	Snow Crystal rd 11-99 to 11-25	12/1/2014	300
6	Rustling Reed rd 11-23 to 11-22	12/2/2014	200
7	Mulberry st no# to 11-22	12/2/2014	170
8	Geraldine dr 8-21 to 8-16	12/3/2014	845
9	Morning Mist 11-103A to 11-103	12/3/2014	165
10	Fox Run dr 11-103 to 11-74A	12/3/2014	220
11	Maple Hill rd 11-71 to 11-19	12/4/2014	755
12	Beacon Manor Cir 16-15 to 16-6	12/5/2014	440
13	Beacon Manor rd 16-5 to 16-4	12/5/2014	280
14	Beacon Manor Cir 16-17 to 16-4	12/5/2014	320
15	Beacon Manor rd 16-4 to 16-2	12/8/2014	525
16	Beacon manor rd 16-11 to 16-12	12/8/2014	255
17	Gen Pulaski Walk 7-19 tp 7-18	12/9/2014	175
18	Beacon Manor rd 16-2 to 16-1	12/10/2014	275
19	Cotton Hollow ct 13-101 to 13- 9	12/10/2014	350
20	Beacon Valley rd Syphon 13-10 to 13-9	12/10/2014	175
21	Beacon Manor rd 16-10 to 16-7	12/10/2014	920
22	Beacon Valley rd Syphon 13-10 to 13-9	12/11/2014	175
23	Lounsbury / N Main st easement	12/14/2014	100
24	Stonefence 1-21 to 1-20	12/15/2014	270
25	Wildwood 1-20 to 1-19	12/15/2014	130
26	Wildwood 1-19 to 5-60	12/15/2014	330
27	Wildwood 5-60 to 5-79	12/15/2014	100
28	Stonefence 1-26A to 1-23	12/16/2014	725
29	Wildwood cir 1-23 to 5-81	12/16/2014	595
30	Wildwood cir 5-81 to 5-79	12/16/2014	565
31	Wildwood easement 5-85 to 5-83	12/16/2014	100
32	Maple Hill rd 11-66 to 11-19	12/17/2014	835
33	Mulberry st 11-21 to 11-19	12/17/2014	510
34	Woodside dr 11-59 to 11-17	12/17/2014	113
35	Mulberry st 11-19 to 11-16	12/17/2014	578
36	Mulberry st 11-12 to 11-3	12/17/2014	2465

6 month list
Call for service

37	Gen Dalton dr 15-33 to 15-32	12/18/2014	180
38	Mulberry st 11-3 to 10-60	12/22/2014	615
39	Mulberry st easement 10-62 to 10-60	12/22/2014	450
40	Mulberry st 10-60 to 10-55	12/22/2014	1375
41	May st 10-74 to 10-53	12/22/2014	755
42	Cedar st 7-1 to 7-38	12/22/2014	460
43	May st 10-71 to 10-51	12/23/2014	1180
44	Moonlight cir 11-79 to 11-87	12/26/2014	875
45	Morning Mist 11-98 to 11-76	12/26/2014	475
46	Morning Mist 11-102 to 11-26	12/26/2014	565
47	Stonefence 5-94 to 5-92	12/29/2014	995
48	Morning Mist 11-101 upstream	12/31/2014	100
49	Morning Mist 11-101 downstream	12/31/2014	30
50			
		This Month	
		24221	Feet

Year to Date	
100757	Feet

Root Treatment

	Street Name	Type	Footage
1	12/31 Morning Mist	cutter	40
2			
3			

This Month		Year to Date	
40	Feet	3691	Feet

Video Inspections

	Street Name	Type	Footage
1	Morning Mist 11-101	cctv	50
2	12 Lounsbury st	cctv	80
3			
4			
5			

This Month		Year to Date	
130	Feet	2910	Feet

Pump Station Services

	Work performed	Location	Date	Notes
1	Weekly pumpstation checks	All 5	12/1/2014	floats cleaned
2	Weekly pumpstation checks	All 5	12/5/2014	floats cleaned, generators exercised
3	Weekly pumpstation checks	All 5	12/12/2014	floats cleaned, generators exercised
4	Weekly pumpstation checks	All 5	12/18/2014	floats cleaned
5	Weekly pumpstation checks	All 5	12/26/2014	floats cleaned
6				
7				

PUMP RUN TIMES		HOURS		
STATION		Pump 1	Pump 2	Pump 3
Inwood	End Reading	198.10	303.8	0.1
	Start Reading	158.40	263.4	0.1
	Hrs Run	39.70	40.4	0.0

PUMP RUN TIMES		HOURS	
STATION		Pump 1	Pump 2
MAPLE & MAY	End Reading	3258.4	2534.5
	Start Reading	3201.4	2484.3
	Hrs Run	57	50.2

PUMP RUN TIMES		HOURS	
STATION		Pump 1	Pump 2
Platts Mill	End Reading	4303	5488.8
	Start Reading	4207	5267.4
	Hrs Run	96	221.4

PUMP RUN TIMES		HOURS	
STATION		Pump 1	Pump 2
Hopbrook	End Reading	1071.5	710.4
	Start Reading	1053.1	700
	Hrs Run	18.4	10.4

PUMP RUN TIMES		HOURS	
STATION		Pump 1	Pump 2
HORTON HILL	End Reading	7742.6	9538.2
	Start Reading	7629.2	9434.6
	Hrs Run	113.4	103.6

Vac Truck Information

Days out of the plant working		
This Month	YTD	Remaining
21	91	59

Fuel Information	Fuel Cost	Fuel Used			
	$196.56	52.0	Gallons	YTD Gallons	
	$211.66	58.5	Gallons	812.2	Gallons
			Gallons		
			Gallons	YTD Fuel Cost	
This Months Total	$408.22	110.5	Gallons	$2,831.90	

	Mileage		Engine Hours
Month Start	179687.3	Month Start	5299.8
Month End	180748.9	Month End	5395.3
Total	1061.6	Total	95.5

Utlity Truck Information	Fuel Cost	Fuel Used		
	$114.00	30.16	Gallons	YTD Gallons
	$102.02	28.19	Gallons	382.95
	$107.00	29.56	Gallons	
			Gallons	YTD Fuel Cost
Monthly Totals:	**$323.02**	**87.91**	Gallons	$1,375.72

	Other tasks and notes
1	12/02/14 - Pulled #1 pump at Platts Mill and replaced it with new pump
2	12/03/14 - Brought Platts Mill pump to Traver to be serviced. Pulled #2 pump at Platts Mill. Cleaned and de-rag it.
3	12/04/14 - Did draw downs at Platts Mill. Float to float 21/2 ft draw downs on both pumps. Vac out liquid drop drain at plant
4	12/08/14 - Cleared easement to m/h 3-56 behind CT Water tower. Walked easement to locate m/hs 5-13 and 5-14
5	12/09/14 - Checked on m/hs along river along with N. Main st Syphon due to high amounts of rain fall
6	12/10/14 - Found cracked m/h lid 13-12 on Beacon Valley rd, had to replace it. Found clogged drop down at 13-11
7	12/11/14 - Jetted clogged drop down at m/h 13-11, freed some of the blockage. Marked out four paveovers on Beacon Valley
8	12/11/14 - Installed new pole and sign at Platts Mill station.
9	12/12/14 - Vac out grease trap at Jessie Camilles. Vac out and clean Hopbrook wetwell. Measured grease trap.
10	12/15/14 - Put Permanganite in Maple/May and Horton Hills wetwell for odor control. Fixed the headlight on the plow.
11	12/16/14 - Safety meeting. Tom D was brought to all stations for safety insoection. Cold patch was used on bad m/h lid 11-26
12	12/17/14 - Helped town public works on a clogged storm drain off of Homestead ave. Was able to free the blockage for them
13	12/18/14 - Brought Vac truck to get some oil leaks fixed.
14	12/19/14 - Filled in holes around the plant with cold patch and millings. Cleaned pumpstations and got the Vac truck back.
15	12/23/14 - Found problem on May st. upstream from 10-71. 10 ft section colapsed and G&L was called to dig and replace section of pipe.
16	12/29/14 - Walked railroad easement. Vac out and clean Maple/May wetwell.
17	12/30/14 - Did timed 1ft draw downs on all pumps and at all the stations.
18	12/31/14 - Met with DOT on New Haven rd about some concerns of sink holes on the rd that are above our sewer.
19	12/31/14 - Found root problem on Morning Mist 11-101. Used root cutter to free large root balls, upstream and down stream.
20	

VEOLIA
WATER

Sent via certified mail #7009 2820 0004 1018 1313 on January 8, 2015

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

January 8, 2015

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

Dear Sir/Madam:

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

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

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

Sincerely,
Veolia Water North America – Northeast, LLC

John Batorski
Plant Manager

7009 2820 0004 1018 1313

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

PS Form 3800, August 2006 See Reverse for Instructions

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

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

Naugatuck WPCF | **Facility ID: 088-001** | Date received: (stamped)

Sample month/year December, 2014 | **Permit #: CT0100641**

	Daily Flow			Primary Sludge			Aeration Tank #1				Return Sludge		Aeration Tank #2				Return Sludge		Waste Sludge	Dry Solids to Incineration	Waste Accepted		CBOD (5-Day)		
	Max.	Min.	Total	Vol.	% solids	wt.	MLSS	SVI	High D.O.	Low D.O.			MLSS	SVI	High D.O.	Low D.O.	% Flow	%Solids			Septic	Indust	Inf.	Prim eff.	Final eff.
Units	mgd			MG		lbs.			mg/l		% Flow	% Solids			mg/l				lbs	lbs	gal	gal	mg/l		
Freq.	Daily			Work Day			Work Day		4/ work day				Work Day		4/Work Day		Work Day		Wk Day	Wk Day	Work Day		3/week		
1	6.6	3.1	4.8	0.676			3,068	72	4.7	0.0	171	0.84	5,428	85	2.9	0.0	0.85	0.84	2,858	51,126	48,500		130	49	<4
2	6.0	3.2	5.4	0.484			4,820	73	5.0	0.0	113	1.00	5,508	91	5.0	0.0	0.87	1.00	3,403	154,229	31,750		71		<4
3	6.0	3.3	4.9	0.506			6,392	100	5.0	0.5	155	1.00	1,500	87	5.0	0.7	0.56	1.00	3,386	163,464	36,000		100		<4
4	6.0	3.3	4.9	0.515			3,612	66	2.4	0.6	224	0.89	5,576	91	2.2	0.9	0.94	0.89	3,011	141,660	53,200				
5	6.0	3.0	4.8	0.510			4,992	68	2.1	0.8	220	0.85	7,012	70	2.0	1.0	0.89	0.85	2,875	168,144	56,000				
6	7.5	3.3	5.8	0.499					2.3	0.8	178				2.1	1.0			2,875	175,989	6,000				
7	8.1	5.2	6.7	0.516					2.4	0.6	162				2.2	0.8			2,875	174,024	0				
8	7.7	4.2	5.9	0.512			5,096	71	5.0	0.8	186	1.04	7,644	65	5.0	0.9	0.96	1.04	4,424	169,147	42,500		120	140	<4
9	14.4	4.3	9.9	0.148			5,040	75	2.6	0.3	104	1.08	6,744	73	2.1	0.0	1.06	1.08	17,375	169,932	8,250		72		<4
10	12.7	9.3	10.5	0.421			4,956	54	0.9	0.3	108	1.32	7,644	56	0.0	0.0	1.30	1.32	16,780	165,024	71,750		56		<4
11	9.3	3.4	8.3	0.470			5,124	56	5.0	0.4	130	1.15	5,812	71	3.7	0.0	1.07	1.15	5,870	175,320	32,450				
12	8.7	6.4	7.6	0.500			4,640	71	2.7	0.8	141	1.00	7,428	55	2.5	1.0	1.03	1.00	5,079	177,960	48,250				
13	8.7	5.7	7.2	0.504					3.0	0.6	150				2.8	1.1			5,079	176,304	5,500				
14	8.5	5.2	6.9	0.569					2.7	0.7	167				2.4	1.3			5,079	169,716	2,000				
15	7.5	4.8	6.4	0.507			4,680	62	2.8	0.8	177	1.00	6,664	62	2.3	1.3	0.99	1.00	5,079	144,486	33,800		110	75	<4
16	7.4	4.5	6.2	0.494			4,408	57	2.9	0.8	171	0.81	4,480	67	2.6	1.2	0.84	0.81	3,101	164,082	32,000		95		<4
17	7.6	4.9	6.4	0.519			3,748	72	2.7	0.8	173	0.86	5,456	79	2.4	1.0	0.86	0.86	1,097	151,008	29,750		110		<4
18	7.1	4.7	6.2	0.527			5,692	56	2.7	0.7	175	0.98	6,288	60	2.3	1.1	0.98	0.98	1,667	173,004	36,950				
19	6.9	4.4	5.9	0.518			6,648	62	2.9	0.8	187	0.90	6,096	62	2.5	1.2	0.98	0.90	1,903	164,502	49,000				
20	7.5	4.2	5.8	0.525					3.0	0.8	190				2.5	1.2			2,284	182,616	8,800				
21	6.8	3.4	5.6	0.522					3.4	0.9	200				4.2	1.2			2,284	194,616	3,000		97	95	<4
22	7.7	3.9	5.8	0.515			4,820	73	2.7	1.0	186	0.86	5,220	73	2.5	1.2	0.89	0.86	2,182	90,515	29,000		120		<4
23	6.3	3.8	5.6	0.521			5,900	59	2.4	1.2	193	0.92	5,916	68	2.3	1.2	0.92	0.92	2,724	188,989	18,500		98		<4
24	7.8	4.0	6.1	0.676			5,004	66	2.5	1.0	192	0.81	5,568	66	2.4	1.2	0.94	0.81	2,739	168,072	14,750				
25	7.7	4.4	5.9	0.557					2.6	0.9	182				2.3	1.3			2,739	201,612	0				
26	8.3	4.4	6.3	0.516			3,076	65	2.9	0.8	133	0.39	5,104	69	2.6	1.2	0.78	0.39	1,327	67,404	19,650				
27	7.2	4.0	5.6	0.506					3.0	0.7	124				2.3	1.1			1,327	173,004	4,000				
28	7.5	4.2	5.8	0.505					2.9	0.7	131				2.3	1.2			1,327	152,568	0		83	60	<4
29	7.7	3.8	5.7	0.501			4,156	61	2.9	0.6	108	0.59	6,348	71	2.6	1.2	1.18	0.59	2,008	50,496	32,950		170		<4
30	6.7	2.6	5.7	0.496			2,676	54	2.9	0.9	151	0.48	7,012	56	2.7	1.1	0.95	0.48	1,212	127,384	24,000		150		<4
31	6.5	3.8	5.1	0.498			5,420	52	2.9	0.7	192	0.91	6,000	54	2.7	0.9	0.91	0.91	1,548	141,264	26,000				
Total	240.4	132.7	193.6				5,420												117,517	4,767,661	804,300				
Ave.	7.8	4.3	6.2	0.508			4,726	66	3.0	0.7	164	0.89	5,929	70	2.7	0.9	0.94	0.97	3,791	153,796	25,945		105	84	4

	Suspended Solids			Settleable Solids	Turbidity	Chlorine Dose		Chlorine Residual		Chlorine Residual Average	Fecal Coliform	E. Coli	Ammonia			Nitrite			Nitrate			TKN		
	Inf.	Prim Eff.	Final Eff.	Eff.	Eff.			high	low				Inf.	Prim Eff.	Final Eff.	Inf.	Prim Eff.	Final Eff.	Inf.	Prim. Eff.	Final Eff.	Inf.	Prim Eff.	Final Eff.
Units	mg/l			ml/l	NTU	lbs	mg/l	mg/l		mg/l	#/100ml	#/100ml	mg/l			mg/l			mg/l			mg/l		
Freq.	3/week			Wk Day	Wk Day	4/Work Day		4/work day		4/wk day	3/week	See table A of permit	3/week	Mthly	3/wk	Monthly			Monthly			Monthly		
1	210	42	<5	0.0	2.0	0.00	0.00						19.00	14.6	0.13	0.130	0.120	0.010	0.24	0.54	2.930	30.70	20.70	1.490
2	73		<5	0.0	2.3	0.00	0.00						21.00		1.20	0.400		0.050	0.44		3.040	31.30		2.360
3	130		<5	0.0	2.8	0.00	0.00						18.40		0.33	<0.010		0.010	0.01		3.380	27.80		1.690
4				0.0	2.8	0.00	0.00																	
5				0.0	2.4	0.00	0.00																	
6						0.00	0.00																	
7						0.00	0.00																	
8	310	160	<5	0.0	2.8	0.00	0.00						13.20		0.10	0.280		<0.010	0.08		2.090	23.20		1.190
9	140		7	0.0	4.0	0.00	0.00						9.67		0.10	0.210		<0.010	1.47		2.200	17.50		1.440
10	81		6	0.0	5.0	0.00	0.00						7.24		2.94	0.250		0.020	1.77		1.800	13.10		4.220
11				0.0	5.2	0.00	0.00																	
12				0.0	6.0	0.00	0.00																	
13						0.00	0.00																	
14						0.00	0.00																	
15	180	92	<5	0.0	1.4	0.00	0.00						14.80		0.15	0.150		<0.010	0.70		2.960	24.10		1.450
16	99		<5	0.0	2.6	0.00	0.00						13.20		0.39	0.370		0.020	0.21		2.830	21.70		1.530
17	230		<5	0.0	3.1	0.00	0.00						12.50		0.69	0.270		0.010	0.19		3.530	23.10		2.070
18				0.0	3.5	0.00	0.00																	
19				0.0	2.5	0.00	0.00																	
20						0.00	0.00																	
21	120	73	<5			0.00	0.00						17.40		0.17	0.040		<0.010	<0.01		3.400	26.50		1.440
22	190		<5	0.0	2.3	0.00	0.00						16.80		0.15	0.150		<0.010	0.08		3.180	26.60		1.270
23	160		<5	0.0	3.0	0.00	0.00						17.10		0.21	0.190		0.020	0.68		4.440	24.70		1.590
24				0.0	3.5	0.00	0.00																	
25						0.00	0.00																	
26				0.0	2.8	0.00	0.00																	
27						0.00	0.00																	
28	180	44	<5			0.00	0.00						16.60		0.25	0.170		<0.010	0.49		3.880	25.70		2.160
29	360		<5	0.0	1.6	0.00	0.00						17.10		0.17	0.030		0.010	0.05		3.270	37.90		1.120
30	230		<5	0.0	2.4	0.00	0.00						17.70		0.59	0.150		0.020	0.43		3.040	31.60		1.540
31				0.0	3.0	0.00	0.00																	
Total																								
Ave.	180	82	5	0.0	3.0	0.00	0.00						15.45	14.6	0.50	0.187	0.120	0.015	0.46	0.54	3.065	25.70	20.70	1.771

	Total N			Total N	Low D.O.	pH		Total P			Total P	Ortho P			Temp.		Arsenic	Copper	Nickel	Selenium	Zinc	Alkalinity	
	Inf.	Prim. Eff.	Final Eff.	Eff.	Eff.	Inf.	Eff.	Inf.	Prim. Eff.	Final Eff.	Eff.	Inf.	Prim. Eff.	Final Eff.	Inf.	Eff.	Eff.	Eff.	Eff.	Eff.	Eff.	Pri. Eff.	Eff.
Units	mg/l			lb/d	mg/l	S.U.		mg/l			lb/d	mg/l			F		mg/l	mg/l	kg/d	kg/day	kg/d		
Freq.	Monthly			Mthly	4/wk day	Work Day		Nov-March (Monthly) (April-October) 2/week			Apr - Oct	Nov-March (Monthly) (April - October) 2/week			Work day		wkly	Mthly	Wkly	Wkly	Wkly		
1	31.1	21.4	4.4	176	7.5	7.4	6.7	3.91		6.32	254	1.03		6.26	61.9	73.4	<0.004	0.015	0.32	0.04	1.086	80	40
2	32.1		5.4	243	7.9	7.4	6.7			6.81	308			7.08	60.8	68.5						130	50
3	27.8		5.1	208	7.6	7.2	6.6								60.8	68.7						80	50
4					7.6	7.4	6.7								59.0	70.3						100	40
5					7.8	7.4	6.7								59.9	70.7						100	50
6																							
7																							
8	23.6		3.3	162	7.5	7.3	6.8			7.50	367			7.50	59.4	66.9	<0.004		0.33	0.07	1.626	70	40
9	19.2		3.6	297	7.5	7.3	6.8			7.16	591			7.10	58.8	68.5						70	50
10	15.1		6.0	525	6.8	7.1	6.8								58.3	64.4						60	60
11					7.0	7.2	6.7								58.1	64.2						70	40
12					7.8	7.2	6.7								57.9	64.4						70	40
13																							
14																							
15	25.0		4.4	235	7.6	7.2	6.6			4.82	257			4.70	60.3	68.0	<0.004		0.28	0.07	2.483	90	60
16	22.3		4.4	228	7.7	7.2	6.5			4.53	236			4.48	59.5	66.9						100	50
17	23.6		5.6	299	7.8	7.2	6.8								60.3	68.7						100	50
18					7.2	7.2	6.8								59.0	68.5						80	50
19					7.5	7.2	6.6								60.1	68.5						100	40
20																							
21	26.6		4.8	224						5.63	261			5.60			0.006		0.29	0.23	2.078		
22	26.8		4.5	218	7.4	7.3	6.6			5.70	275			5.70	58.5	69.4						70	30
23	25.6		6.0	280	7.7	7.2	6.6								59.0	67.1						110	40
24					7.3	7.2	6.6								59.0	67.8						90	40
25																							
26					7.4	7.3	6.6								58.8	69.4						80	40
27																							
28	26.4		6.0	290						6.73	324			6.65			<0.004		0.24	0.21	1.818		
29	38.0		4.4	209	7.8	7.2	6.6			6.35	301			6.30	57.6	67.5						60	30
30	32.2		4.6	215	8.1	7.2	6.6								57.4	63.7						90	40
31					8.0	7.2	6.7								59.2	65.8						90	30
Total																							
Ave	26.3	21.4	4.8	254	7.6	7.3	6.7	3.91		6.16	317	1.03		6.14	59.2	67.8	0.004	0.015	0.29	0.12	1.818	86	44

Sludge Dispoal Location:

Please return forms to:

DEEP - Water Bureau

ATTN: Municipal Wastewater Monitoring Coordinator

Municipal Facilities

79 Elm Street

Statement of Acknowledgement

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

Authorized Official:

John Batorski

Title:

Plant Manager

Signature: John Batorski

Date: 1-8-15

December 2014 Sludge Sources

Source	Liquid	Wet Tons
Americas Styrenics - VES	6,500.00	
Sheffield - VES	3,045.00	
Sheffield - VES	1,935.00	
Milbar Laboratories	5,800.00	24.19
New Rochelle		1,838.29
Danbury Cake - VES		132.37
Casella - Chicopee		576.13
Casella - Glen Cove		364.94
Casella - Huntington		243.66
Casella - Poughkeepsie		261.26
Casella - Suffolk		865.85
Casella - Yorktown Heights		58.44
Bristol		647.72
Rhinebeck WPCF		35.38
North Canaan	39,000.00	
Bedford Hills - VES	26,000.00	
North Haven - VES	149,500.00	
Pepsi - VES	6,500.00	
Poughkeepsie - VES	370,500.00	
Southbury - IBM	52,000.00	
Beacon Falls Treatment	130,000.00	
Heritage Village Water	39,000.00	
Litchfield	65,000.00	
Pawling	117,000.00	
Plymouth	110,500.00	
Thomaston Treatment	58,500.00	
Torrington	422,500.00	
Windham	318,500.00	
Mahopac Sludge & Septic	632,800.00	
Ansonia - Synagro	32,500.00	
Bridgeport - East - Synagro	58,500.00	
Bridgeport - West - Synagro	104,000.00	
Newtown - Synagro	6,500.00	
Norwalk - Synagro	58,500.00	
Ridgefield - Synagro	13,000.00	
Stratford	845,000.00	
Vogler Bros	19,500.00	
Lynwood Place	39,000.00	
Southbury Car wash	19,500.00	
Westport	129,669.00	
New Hartford	58,500.00	
Southington	754,000.00	
Total	4,692,749.00	5,048.23

Nutrient Analysis Report

For compliance with General Permit for Nitrogen Discharges

Facility Name: NAUGATUCK TREATMENT Co.
Permit Number: CT0100641

Month: Dec-14
Design Flow: 10.3 MGD

Final Effluent

Plant Name	Sample Date (mm/dd/yyyy)	Average Daily Flow (mgd)	TKN (mg/l)	(Nitrite + Nitrate) (mg/l)	Total Nitrogen (mg/l)	Total Nitrogen (lbs/d)
NAUGATUCK TRE	12/1/2014	4.81	1.49	2.94	4.4	177
NAUGATUCK TRE	12/2/2014	5.42	2.36	3.09	5.5	249
NAUGATUCK TRE	12/3/2014	4.87	1.69	3.39	5.1	207
NAUGATUCK TRE	12/8/2014	5.86	1.19	2.09	3.3	161
NAUGATUCK TRE	12/9/2014	9.9	1.44	2.2	3.6	297
NAUGATUCK TRE	12/10/2014	10.53	4.22	1.82	6	527
NAUGATUCK TRE	12/15/2014	6.39	1.45	2.96	4.4	234
NAUGATUCK TRE	12/16/2014	6.24	1.53	2.85	4.4	229
NAUGATUCK TRE	12/17/2014	6.42	2.07	3.54	5.6	300
NAUGATUCK TRE	12/21/2014	5.56	1.44	3.4	4.8	223
NAUGATUCK TRE	12/22/2014	5.79	1.27	3.18	4.5	217
NAUGATUCK TRE	12/23/2014	5.62	1.59	4.46	6.1	286
NAUGATUCK TRE	12/28/2014	5.78	2.16	3.88	6	289
NAUGATUCK TRE	12/29/2014	5.68	1.12	3.28	4.4	208
NAUGATUCK TRE	12/30/2014	5.65	1.54	3.06	4.6	217
					0	0
					0	0
					0	0
					0	0
					0	0
					0	0
					0	0
					0	0
					0	0
					0	0
					0	0
					0	0
				Total Pounds		3821
				Average Pounds		254.7333333

Date of Last Calibration of Flow Meter: 7/15/2014

Statement of Acknowledgement

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

Authorized Official: _____ **Title:** _____

Sent electronically 1-8-15

DMR Copy of Record

Permit

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

Report Dates & Status

Monitoring Period:	From 12/01/14 to 12/31/14	**DMR Due Date:**	01/15/15	**Status:**	NetDMR Validated

Considerations for Form Completion

Principal Executive Officer

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

No Data Indicator (NODI)

Form NODI: --

Parameter Code	Parameter Name	Monitoring Location	Season #	Param. NODI		Quantity or Loading Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Quality or Concentration Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units	# of Ex.	Frequency of Analysis	Sample Type
00056	Flow rate	1 - Effluent Gross	0	--	Sample	=	6.2	=	10.2	03 - MGD									99/99 - Continuous	TM - TOTALZ
					Permit Req.		Req Mon MO AVG		Req Mon DAILY MX	03 - MGD									99/99 - Continuous	TM - TOTALZ
					Value NODI															
00300	Oxygen, dissolved [DO]	1 - Effluent Gross	0	--	Sample						=	6.8					19 - mg/L		01/01 - Daily	GR - GRAB
					Permit Req.						>=	5 INST MIN					19 - mg/L		01/01 - Daily	GR - GRAB
					Value NODI															
00310	BOD, 5-day, 20 deg. C	T - See Comments	1	--	Sample															
					Permit Req.											Opt Mon DAILY MX	19 - mg/L		01/90 - Quarterly	CP - COMPOS
					Value NODI											9 - Conditional Monitoring - Not Required This Period				
00400	pH	1 - Effluent Gross	0	--	Sample						=	6.5			=	6.8	12 - SU		01/01 - Daily	GR - GRAB
					Permit Req.						>=	6 INST MIN			<=	9 INST MAX	12 - SU		01/01 - Daily	GR - GRAB
					Value NODI															
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample								=	5.2	=	7	19 - mg/L		03/07 - Three Per Week	CP - COMPOS
					Permit Req.								<=	30 MO AVG	<=	45 DAILY MX	19 - mg/L		03/07 - Three Per Week	CP - COMPOS
					Value NODI															
00530	Solids, total suspended	G - Raw Sewage Influent	0	--	Sample								=	179.5			19 - mg/L		03/07 - Three Per Week	CP - COMPOS
					Permit Req.									Req Mon MO AVG			19 - mg/L		03/07 - Three Per Week	CP - COMPOS
					Value NODI															
00530	Solids, total suspended	T - See Comments	1	--	Sample															
					Permit Req.											Opt Mon DAILY MX	19 - mg/L		01/90 - Quarterly	CP - COMPOS
					Value NODI											9 - Conditional Monitoring - Not Required This Period				
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	4	--	Sample								=	0.5			19 - mg/L		03/07 - Three Per Week	CP - COMPOS
					Permit Req.								<=	25 MO AVG			19 - mg/L		03/07 - Three Per Week	CP - COMPOS
					Value NODI															
00610	Nitrogen, ammonia total [as N]	T - See Comments	1	--	Sample															
					Permit Req.											Opt Mon DAILY MX	19 - mg/L		01/90 - Quarterly	CP - COMPOS
					Value NODI											9 - Conditional Monitoring - Not Required This Period				
00615	Nitrogen, nitrite total [as N]	T - See Comments	1	--	Sample															
					Permit Req.											Opt Mon DAILY MX	19 - mg/L		01/90 - Quarterly	CP - COMPOS

Sent electronically 1-8-15 [illegible]

				Value NODI					9 - Conditional Monitoring - Not Required This Period			
				Sample								
00620 Nitrogen, nitrate total [as N]	T - See Comments	1	--	Permit Req.					Opt Mon DAILY MX	19 - mg/L	01/90 - Quarterly	CP - COMPOS
				Value NODI					9 - Conditional Monitoring - Not Required This Period			
				Sample								
00665 Phosphorus, total [as P]	T - See Comments	1	--	Permit Req.					Opt Mon DAILY MX	19 - mg/L	01/90 - Quarterly	CP - COMPOS
				Value NODI					9 - Conditional Monitoring - Not Required This Period			
				Sample								
00720 Cyanide, total [as CN]	T - See Comments	1	--	Permit Req.					Opt Mon DAILY MX	19 - mg/L	01/90 - Quarterly	CP - COMPOS
				Value NODI					9 - Conditional Monitoring - Not Required This Period			
				Sample								
00722 Cyanide, free [amen. to chlorination]	T - See Comments	1	--	Permit Req.					Opt Mon DAILY MX	19 - mg/L	01/90 - Quarterly	CP - COMPOS
				Value NODI					9 - Conditional Monitoring - Not Required This Period			
				Sample	=	0.004	=	0.006		19 - mg/L	01/07 - Weekly	CP - COMPOS
01002 Arsenic, total [as As]	1 - Effluent Gross	0	--	Permit Req.		Req Mon MO AVG		Req Mon DAILY MX		19 - mg/L	01/07 - Weekly	CP - COMPOS
				Value NODI								
				Sample			=	0		19 - mg/L	01/07 - Weekly	CP - COMPOS
01002 Arsenic, total [as As]	G - Raw Sewage Influent	0	--	Permit Req.				Req Mon DAILY MX		19 - mg/L	01/07 - Weekly	CP - COMPOS
				Value NODI								
				Sample								
01002 Arsenic, total [as As]	T - See Comments	1	--	Permit Req.					Opt Mon DAILY MX	19 - mg/L		
				Value NODI					9 - Conditional Monitoring - Not Required This Period			
				Sample								
01002 Arsenic, total [as As]	W - See Comments	0	--	Permit Req.					Req Mon INST MAX	19 - mg/L	01/60 - Once Every 2 Months	GR - GRAB
				Value NODI					9 - Conditional Monitoring - Not Required This Period			
				Sample								
01012 Beryllium, total [as Be]	T - See Comments	0	--	Permit Req.					Req Mon DAILY MX	19 - mg/L	01/90 - Quarterly	CP - COMPOS
				Value NODI					9 - Conditional Monitoring - Not Required This Period			
				Sample								
01012 Beryllium, total [as Be]	T - See Comments	1	--	Permit Req.					Opt Mon DAILY MX	19 - mg/L	01/90 - Quarterly	CP - COMPOS
				Value NODI					9 - Conditional Monitoring - Not Required This Period			
				Sample								
01027 Cadmium, total [as Cd]	T - See Comments	1	--	Permit Req.					Opt Mon DAILY MX	19 - mg/L	01/90 - Quarterly	CP - COMPOS
				Value NODI					9 - Conditional Monitoring - Not Required This Period			
				Sample								
01032 Chromium, hexavalent [as Cr]	T - See Comments	1	--	Permit Req.					Opt Mon DAILY MX	19 - mg/L	01/90 - Quarterly	CP - COMPOS
				Value NODI					9 - Conditional Monitoring - Not Required This Period			
				Sample								
01034 Chromium, total [as Cr]	T - See Comments	1	--	Permit Req.					Opt Mon DAILY MX	19 - mg/L	01/90 - Quarterly	CP - COMPOS
				Value NODI					9 - Conditional Monitoring - Not Required This Period			
				Sample	=	0.02	=	0.02		19 - mg/L	01/30 - Monthly	CP - COMPOS
01042 Copper, total [as Cu]	1 - Effluent Gross	0	--	Permit Req.		Req Mon MO AVG		Req Mon DAILY MX		19 - mg/L	01/30 - Monthly	CP - COMPOS
				Value NODI								
				Sample								
01042 Copper, total [as Cu]	T - See Comments	1	--	Permit Req.					Opt Mon DAILY MX	19 - mg/L	01/90 - Quarterly	CP - COMPOS
				Value NODI					9 - Conditional Monitoring - Not Required This Period			
				Sample								

01045 Iron, total [as Fe]	T - See Comments	1	--	Permit Req.								Opt Mon DAILY MX	19 - mg/L	01/90 - Quarterly	CP - COMPOS
				Value NODI								9 - Conditional Monitoring - Not Required This Period			
				Sample											
01051 Lead, total [as Pb]	T - See Comments	1	--	Permit Req.								Opt Mon DAILY MX	19 - mg/L	01/90 - Quarterly	CP - COMPOS
				Value NODI								9 - Conditional Monitoring - Not Required This Period			
				Sample											
01059 Thallium, total [as Tl]	T - See Comments	1	--	Permit Req.								Opt Mon DAILY MX	19 - mg/L	01/90 - Quarterly	CP - COMPOS
				Value NODI								9 - Conditional Monitoring - Not Required This Period			
01067 Nickel, total [as Ni]	1 - Effluent Gross	0	--	Sample	=	0.29	=	0.39	01 - kg/d					01/07 - Weekly	CP - COMPOS
				Permit Req.	<=	2.14 MO AVG	<=	3.94 DAILY MX	01 - kg/d					01/07 - Weekly	CP - COMPOS
				Value NODI											
01067 Nickel, total [as Ni]	G - Raw Sewage Influent	0	--	Sample			=	0.5	01 - kg/d					01/07 - Weekly	CP - COMPOS
				Permit Req.				Req Mon DAILY MX	01 - kg/d					01/07 - Weekly	CP - COMPOS
				Value NODI											
				Sample											
01067 Nickel, total [as Ni]	T - See Comments	1	--	Permit Req.								Opt Mon DAILY MX	19 - mg/L	01/90 - Quarterly	CP - COMPOS
				Value NODI								9 - Conditional Monitoring - Not Required This Period			
				Sample											
01077 Silver, total [as Ag]	T - See Comments	1	--	Permit Req.								Opt Mon DAILY MX	19 - mg/L	01/90 - Quarterly	CP - COMPOS
				Value NODI								9 - Conditional Monitoring - Not Required This Period			
01092 Zinc, total [as Zn]	1 - Effluent Gross	0	--	Sample	=	1.82	=	2.48	01 - kg/d					01/07 - Weekly	CP - COMPOS
				Permit Req.	<=	3.79 MO AVG	<=	5.68 DAILY MX	01 - kg/d					01/07 - Weekly	CP - COMPOS
				Value NODI											
01092 Zinc, total [as Zn]	G - Raw Sewage Influent	0	--	Sample			=	9.37	01 - kg/d					01/07 - Weekly	CP - COMPOS
				Permit Req.				Req Mon DAILY MX	01 - kg/d					01/07 - Weekly	CP - COMPOS
				Value NODI											
				Sample											
01092 Zinc, total [as Zn]	T - See Comments	1	--	Permit Req.								Opt Mon DAILY MX	19 - mg/L	01/90 - Quarterly	CP - COMPOS
				Value NODI								9 - Conditional Monitoring - Not Required This Period			
				Sample											
01097 Antimony, total [as Sb]	T - See Comments	1	--	Permit Req.								Opt Mon DAILY MX	19 - mg/L	01/90 - Quarterly	CP - COMPOS
				Value NODI								9 - Conditional Monitoring - Not Required This Period			
				Sample											
01105 Aluminum, total [as Al]	T - See Comments	1	--	Permit Req.								Opt Mon DAILY MX	19 - mg/L	01/90 - Quarterly	CP - COMPOS
				Value NODI								9 - Conditional Monitoring - Not Required This Period			
01147 Selenium, total [as Se]	1 - Effluent Gross	0	--	Sample	=	0.12	=	0.23	01 - kg/d					01/07 - Weekly	CP - COMPOS
				Permit Req.	<=	35 MO AVG	<=	75 DAILY MX	01 - kg/d					01/07 - Weekly	CP - COMPOS
				Value NODI											
01147 Selenium, total [as Se]	G - Raw Sewage Influent	0	--	Sample	=	0.49			01 - kg/d					01/07 - Weekly	CP - COMPOS
				Permit Req.		Req Mon MO AVG			01 - kg/d					01/07 - Weekly	CP - COMPOS
				Value NODI											
				Sample											
01147 Selenium, total [as Se]	T - See Comments	1	--	Permit Req.								Opt Mon DAILY MX	19 - mg/L	01/90 - Quarterly	CP - COMPOS
				Value NODI								9 - Conditional Monitoring - Not Required This Period			
				Sample											
				Permit											CP -

46000	Phenols	T - See Comments	1	--	Req.							Opt Mon DAILY MX	19 - mg/L	01/90 - Quarterly	COMPOS
					Value										
					NODI							9 - Conditional Monitoring - Not Required This Period			
					Sample										
					Permit										
50060	Chlorine, total residual	T - See Comments	1	--	Req.							Opt Mon DAILY MX	19 - mg/L	01/90 - Quarterly	CP - COMPOS
					Value										
					NODI							9 - Conditional Monitoring - Not Required This Period			
					Sample										
					Permit										
71900	Mercury, total [as Hg]	T - See Comments	1	--	Req.							Opt Mon DAILY MX	19 - mg/L	01/90 - Quarterly	CP - COMPOS
					Value										
					NODI							9 - Conditional Monitoring - Not Required This Period			
					Sample										
					Permit										
78475	Copper, sludge, tot, dry weight [as Cu]	S - See Comments	0	--	Req.							Req Mon INST MAX	69 - mg/kg	01/60 - Once Every 2 Months	GR - GRAB
					Value										
					NODI							9 - Conditional Monitoring - Not Required This Period			
					Sample										
					Permit		=	4	=	4		19 - mg/L	03/07 - Three Per Week	CP - COMPOS
80126	BOD, carbonaceous, 5 day, 5 C	1 - Effluent Gross	0	--	Req.		<=	25 MO AVG	<=	40 DAILY MX		19 - mg/L	03/07 - Three Per Week	CP - COMPOS
					Value										
					NODI										
					Sample										
					Permit		=	105.47				19 - mg/L	03/07 - Three Per Week	CP - COMPOS
80126	BOD, carbonaceous, 5 day, 5 C	G - Raw Sewage Influent	0	--	Req.			Req Mon MO AVG				19 - mg/L	03/07 - Three Per Week	CP - COMPOS
					Value										
					NODI										
					Sample										
					Permit										
80126	BOD, carbonaceous, 5 day, 5 C	T - See Comments	1	--	Req.							Opt Mon DAILY MX	19 - mg/L	01/90 - Quarterly	CP - COMPOS
					Value										
					NODI							9 - Conditional Monitoring - Not Required This Period			
					Sample		=	96.7					23 - %	03/07 - Three Per Week	CA - CALCTD
					Permit										
81011	Solids, suspended percent removal	K - Percent Removal	0	--	Req.		>=	85 MN % RMV					23 - %	03/07 - Three Per Week	CA - CALCTD
					Value										
					NODI										
					Sample		=	96					23 - %	03/07 - Three Per Week	CA - CALCTD
					Permit										
81383	Carbonaceous oxygen demand, % removal	K - Percent Removal	0	--	Req.		>=	85 MN % RMV					23 - %	03/07 - Three Per Week	CA - CALCTD
					Value										
					NODI										
					Sample										
					Permit										
TDA3D	Noael Static 48Hr Acute D. Pulex	T - See Comments	1	--	Req.			Opt Mon MINIMUM					2T - % survival	01/90 - Quarterly	CP - COMPOS
					Value										
					NODI			9 - Conditional Monitoring - Not Required This Period							
					Sample										
					Permit										
TDA6C	Noael Static 48Hr Acute Pimephales	T - See Comments	1	--	Req.			Opt Mon MINIMUM					2T - % survival	01/90 - Quarterly	CP - COMPOS
					Value										
					NODI			9 - Conditional Monitoring - Not Required This Period							

Submission Note

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

Edit Check Errors

No errors.

Comments

Attachments

No attachments.

Report Last Saved By

NAUGATUCK WPCF

User: John.Batorski@Veoliawaterna.com

Name: John Batorski

E-Mail: John.Batorski@Veoliawaterna.com

Date/Time: 2015-01-08 09:40 (Time Zone: -05:00)

VEOLIA
WATER

Sent Certified R.R.R. mail #7009 2820 0004 1018 1320 on January 8, 2015

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

January 8, 2015

Re: 503 Regulation Annual Reports for 2014

Dear Ms. Murphy:

Enclosed please find the 2014 annual report for the Borough of Naugatuck, CT. Enclosed is the following:

Table 3-2, Summary of Results from the September 2014 stack test which includes testing with the WESP (Wet Electro Static Precipitator) on and off as it was a 5 year stack test.

Naugatuck Metals 503 Reports
Incinerator Annual Averages
Incinerator Annual Operating Data

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

Sincerely,
Veolia Water North America – Northeast, LLC

John Batorski
Plant Manager

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

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

5yr test - required testing with WESP on & WESP off

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

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

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

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

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

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

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www.ckenvironmental.com

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

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

4.0 SAMPLING LOCATION

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

4.1 Traverse Point Locations

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

Table 4-1
Traverse Point Locations

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

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

Veolia Water - Naugatuck
Maximum Allowable Stack Concentration Calculation Sheet

Criteria Pollutant	HLV [1]	MASC [2]
METALS		
Arsenic	0.05	79.3
Beryllium	0.01	15.9
Cadmium	0.4	634.6
Chromium	2.5	3966.3
Copper	20	31730.7
Lead	3	4759.6
Manganese	20	31730.7
Mercury	1	1586.5
Nickel	5	7932.7
Selemium	4	6346.1
Zinc	100	158653.3

Notes:
1. HLV = Hazard Limiting Value per Sec. 22a-174-29.
2. MASC = Maximum Allowable Stack Concentrations in the units of micrograms per actual cubic meters (ug/acm).
3. Note: Actual flow rate is the average of 6 test runs conducted on September 17-19, 2014

Variables		
Stack air exhaust rate (acfm)	=	21961
Stack air exhaust rate (acms)	V =	10.37
Stack height (ft)	=	150
Stack height (m)	H =	45.73
Is stack height greater than 20 meters?	=	Yes
Distance to closest property line (m)	=	62.80
	X =	62.80
	X =	285.6
	$V^{0.64}$ =	4.47
	$X+1.08V^{0.64}$ =	290.39
	$(X+1.08V^{0.64})^{1.56}$ =	6954.36
	$(X+1.08V^{0.64})^{-1.56}$ =	1.438E-04
	$4.47(H-20)^{1.28}$ =	285.57
MASC/HLV =		1586.53

Naugatuck POTW, Naugatuck, CT

Sludge Metals 503 Report

YEAR: 2014

	Lead	Arsenic	Cadmium	Chromium	Nickel
January	32.2	2.00	1.38	29.30	15.4
February	39.2	1.80	1.62	59.80	42.8
March	29.0	1.30	1.05	27.90	19.8
April	40.2	2.80	2.00	40.70	26.1
May	58.4	3.10	2.36	39.40	34.6
June	46.9	2.40	1.69	27.50	20.8
July	69.3	2.20	1.43	33.50	18.9
August	69.5	0.80	1.51	24.30	16.7
September	50.2	2.50	2.24	41.10	34.1
October	64.7	<0.80	1.56	30.20	22.3
November	43.0	2.50	1.58	25.60	22.9
December	43.8	2.90	1.48	31.20	18.9

Note: All values in mg/kg

INCINERATOR MONTHLY EMISSION REPORT1

COMPANY: VEOLIA WATER NORTH AMERICA
LOCATION: Naugatuck, CT

DATE CREATED: 01/08/2015 @ 07:22
PERIOD: 01/2014 - 12/2014

DATE	SOURCE ON (HRS)	TOTAL SLUDGE PV (%)	OVERALL DP ("wc)	BED TEMP (F)	FREE BOARD TEMP (F)	FB O2 (%)	CO @7% (ppmvd)	OPACITY (%)	WESP KV #1 (kV)	WESP KV #2 (kV)	OIL FLOW (GPH)	OIL FLOW (GAL)	DAS DOWN (HRS)
01/2014	734.12	74.5	40.7	1413.9	1660.1	7.4	27.3	0.17	49.75	0.00	18.5	13527.6	0.00
02/2014	649.63	79.8	40.3	1400.4	1649.2	6.8	34.5	1.75	52.23	0.00	23.8	15194.4	0.00
03/2014	724.82	69.2	40.8	1434.7	1650.9	7.0	32.9	3.28	54.02	0.00	9.5	6453.2	0.60
04/2014	703.23	68.8	40.3	1453.3	1680.9	6.8	38.0	3.25	54.49	0.00	4.3	2760.2	0.47
05/2014	734.62	71.2	42.2	1459.1	1672.1	7.0	37.8	3.52	54.97	0.00	4.8	3516.3	0.00
06/2014	689.83	70.7	41.6	1456.8	1662.3	7.9	29.4	3.65	54.67	0.00	5.8	3622.9	5.33
07/2014	664.33	62.2	41.6	1446.1	1677.8	8.5	22.8	3.62	49.74	0.00	8.0	4292.9	0.00
08/2014	655.15	70.4	40.5	1454.1	1670.3	8.8	32.6	3.57	44.93	0.00	5.8	3352.0	24.27
09/2014	662.15	65.4	39.3	1441.5	1629.1	8.8	37.1	3.13	46.81	0.00	5.9	3473.5	8.48
10/2014	720.02	68.3	41.1	1456.6	1648.9	8.1	37.7	1.71	52.87	0.00	2.7	1890.6	0.00
11/2014	675.32	68.7	39.2	1431.1	1655.5	7.8	45.4	1.49	52.17	0.00	5.5	3525.6	0.00
12/2014	678.30	67.8	43.6	1432.5	1651.4	8.1	49.9	0.46	53.02	0.00	5.8	3900.5	5.10

	SOURCE ON (HRS)	TOTAL SLUDGE PV (%)	OVERALL DP ("wc)	BED TEMP (F)	FREE BOARD TEMP (F)	FB O2 (%)	CO @7% (ppmvd)	OPACITY (%)	WESP KV #1 (kV)	WESP KV #2 (kV)	OIL FLOW (GPH)	OIL FLOW (GAL)	DAS DOWN (HRS)
AVERAGE		69.8	40.9	1440.0	1659.0	7.8	35.5	2.47	51.64	0.00	8.4		
TOTAL	8291.52											65509.7	44.25
MIN VALUE		62.2	39.2	1400.4	1629.1	6.8	22.8	0.17	44.93	0.00	2.7	1890.6	
MIN DATE		07/2014	11/2014	02/2014	09/2014	02/2014	07/2014	01/2014	08/2014	01/2014	10/2014	10/2014	
MAX VALUE		79.8	43.6	1459.1	1680.9	8.8	49.9	3.65	54.97	0.00	23.8	15194.4	
MAX DATE		02/2014	12/2014	05/2014	04/2014	09/2014	12/2014	06/2014	05/2014	12/2014	02/2014	02/2014	

INCINERATOR MONTHLY EMISSION REPORT2

COMPANY: VEOLIA WATER NORTH AMERICA
LOCATION: Naugatuck, CT

DATE CREATED: 01/08/2015 @ 07:23
PERIOD: 01/2014 - 12/2014

DATE	PROCESS CODE	NORTH SLUDGE PV (%)	SOUTH SLUDGE PV (%)	SCRUBBER DP ("wc)	VENTURI DP ("wc)	SCRUBBER WATER (gpm)	VENTURI WATER (gpm)	4TH TRAY WATER (gpm)	CO (ppmvd)	O2-D (%)	SOURCE ON (HRS)
01/2014	8	60.3	14.3	13.5	24.5	600.8	277.2	382.9	29.5	7.3	734.12
02/2014	8	34.8	45.0	12.9	35.2	586.6	305.7	364.9	35.8	6.8	649.63
03/2014	8	20.0	49.3	14.8	32.9	585.2	250.8	337.3	34.1	7.0	724.82
04/2014	8	25.9	42.8	12.7	24.8	585.0	262.5	309.4	37.6	6.7	703.23
05/2014	8	22.9	48.3	14.6	24.9	554.8	314.9	361.1	38.1	6.9	734.62
06/2014	8	36.3	32.6	14.6	24.4	605.7	292.0	404.6	27.0	7.9	689.83
07/2014	8	20.6	41.6	14.7	24.3	613.9	295.1	326.4	20.5	8.5	664.33
08/2014	8	58.0	12.5	13.2	24.7	557.7	316.3	349.4	27.8	8.8	655.15
09/2014	8	23.4	42.7	13.0	23.7	574.3	290.9	283.0	33.2	8.7	662.15
10/2014	8	49.6	18.8	13.7	24.7	598.5	306.2	345.0	35.7	8.1	720.02
11/2014	8	46.9	21.8	11.6	24.9	591.3	304.4	314.2	43.8	7.8	675.32
12/2014	8	37.2	30.7	16.8	24.2	591.6	308.5	301.2	45.1	8.0	678.30

	PROCESS CODE	NORTH SLUDGE PV (%)	SOUTH SLUDGE PV (%)	SCRUBBER DP ("wc)	VENTURI DP ("wc)	SCRUBBER WATER (gpm)	VENTURI WATER (gpm)	4TH TRAY WATER (gpm)	CO (ppmvd)	O2-D (%)	SOURCE ON (HRS)
AVERAGE		36.3	33.4	13.8	26.1	587.1	293.7	340.0	34.0	7.7	0.00
TOTAL											0.00
MIN VALUE		20.0	12.5	11.6	23.7	554.8	250.8	283.0	20.5	6.7	
MIN DATE		03/2014	08/2014	11/2014	09/2014	05/2014	03/2014	09/2014	07/2014	04/2014	
MAX VALUE		60.3	49.3	16.8	35.2	613.9	316.3	404.6	45.1	8.8	
MAX DATE		01/2014	03/2014	12/2014	02/2014	07/2014	08/2014	06/2014	12/2014	08/2014	

VEOLIA
WATER

Sent via Certified R.R.R. Mail # 7009 2820 0004 1018 1337 on Jan. 8, 2018

January 8, 2015

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

Subject: 2014 - H1 Semi-Annual EPA Summary Report for the Naugatuck, CT. POTW

Dear Sir/Madam:

Enclosed please find the Title V Semi-Annual EPA Summary Report for the second half of calendar year 2014.

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

Sincerely,

John Batorski
Plant Manager
Veolia Water North America

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

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

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

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

DATE CREATED: 01/07/2015 @ 08:07
PERIOD: 07/01/2014 - 12/31/2014

COMPANY: VEOLIA WATER NORTH AMERICA
LOCATION: Naugatuck, CT

EMISSION LIMITATION: 13.5(%) LIMIT

MONITOR MANUF / MODEL #: Rosemount
LATEST CMS AUDIT: 12/12/2014
PROCESS UNIT(S) DESC: EMU 52

Total source operating time in reporting period: 4060.35 Hours

Emission Data Summary (1)		CMS Performance Summary (1)	
1. Duration of excess emissions in reporting period due to		1. CMS Downtime in reporting period due to	
a. Startup/shutdown	15.70	a. Monitor equipment malfunctions	1.00
b. Control equipment problems	0.00	b. Non-monitor equipment malfunctions	0.00
c. Process problems	0.00	c. Quality assurance calibration	8.92
d. Other known causes	0.00	d. Other known causes	56.02
e. Unknown causes	23.08	e. Unknown causes	0.00
2. Total duration of excess emissions	38.78	2. Total CMS Downtime	65.93
3. % of source operating time (2)	1.0%	3. % of source operating time (2)	1.6%

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

Name: John Batorski

Signature: John Batorski

Title: Plant Manager

Date: 1-8-15

COMPANY: VEOLIA WATER NORTH AMERICA
LOCATION: Naugatuck, CT
SOURCE: FB Incinerator
CEMS ID: 1234567
DATE CREATED: 01/07/2015 @ 08:07
PERIOD: 07/01/2014 - 12/31/2014 11:00:00 PM

CMS DOWNTIME: O2-D (%)

DATE	HOUR	DURATION	CODE	EXPLANATION	CORRECTIVE ACTION
07/07/2014	06	0.50	13	PROCESS DOWN	N/A
07/08/2014	12	0.25	13	PROCESS DOWN	N/A
07/09/2014	12	0.50	13	PROCESS DOWN	N/A
07/11/2014	07	1.00	20	CORRECTIVE MAINTENANCE	ROUTINE MAINTENANCE PERFORMED ON CE
07/11/2014	08	1.00	20	CORRECTIVE MAINTENANCE	ROUTINE MAINTENANCE PERFORMED ON CE
07/14/2014	00	0.52	13	PROCESS DOWN	N/A
07/14/2014	07	0.50	13	PROCESS DOWN	N/A
07/21/2014	07	0.67	13	PROCESS DOWN	N/A
07/21/2014	11	0.08	13	PROCESS DOWN	N/A
07/23/2014	06	0.40	13	PROCESS DOWN	N/A
07/23/2014	10	0.18	13	PROCESS DOWN	N/A
07/25/2014	07	0.58	20	CORRECTIVE MAINTENANCE	ROUTINE MAINTENANCE PERFORMED ON CE
07/29/2014	09	0.28	13	PROCESS DOWN	N/A
07/29/2014	12	0.08	13	PROCESS DOWN	N/A
07/30/2014	07	0.10	13	PROCESS DOWN	N/A
07/30/2014	08	0.50	13	PROCESS DOWN	N/A
08/05/2014	03	0.73	13	PROCESS DOWN	N/A
08/05/2014	12	0.68	13	PROCESS DOWN	N/A
08/06/2014	06	1.00	14	RECALIBRATION	N/A
08/08/2014	07	1.00	20	CORRECTIVE MAINTENANCE	ROUTINE MAINTENANCE PERFORMED ON CE
08/08/2014	08	1.00	20	CORRECTIVE MAINTENANCE	ROUTINE MAINTENANCE PERFORMED ON CE
08/18/2014	13	0.05	13	PROCESS DOWN	N/A
08/19/2014	02	0.67	13	PROCESS DOWN	N/A
08/22/2014	08	1.00	20	CORRECTIVE MAINTENANCE	ROUTINE MAINTENANCE PERFORMED ON CE
08/22/2014	09	1.00	20	CORRECTIVE MAINTENANCE	ROUTINE MAINTENANCE PERFORMED ON CE
08/22/2014	10	1.00	20	CORRECTIVE MAINTENANCE	ROUTINE MAINTENANCE PERFORMED ON CE
08/24/2014	04	0.33	13	PROCESS DOWN	N/A
08/24/2014	11	0.15	13	PROCESS DOWN	N/A
08/25/2014	02	0.47	13	PROCESS DOWN	N/A
08/25/2014	11	0.58	13	PROCESS DOWN	N/A
08/26/2014	09	0.38	13	PROCESS DOWN	N/A
08/26/2014	16	0.50	13	PROCESS DOWN	N/A
08/27/2014	09	0.55	13	PROCESS DOWN	N/A
08/28/2014	13	0.58	13	PROCESS DOWN	N/A
08/29/2014	07	0.05	13	PROCESS DOWN	N/A
08/29/2014	09	0.58	13	PROCESS DOWN	N/A
09/03/2014	08	0.28	13	PROCESS DOWN	N/A
09/05/2014	09	1.00	20	CORRECTIVE MAINTENANCE	ROUTINE MAINTENANCE PERFORMED ON CE
09/08/2014	06	0.25	13	PROCESS DOWN	N/A
09/08/2014	15	0.07	13	PROCESS DOWN	N/A
09/08/2014	16	0.72	13	PROCESS DOWN	N/A
09/11/2014	04	0.72	13	PROCESS DOWN	N/A
09/11/2014	13	1.00	12	EXCESS DRIFT ANCILLARY MONITOR	MANUALLY RECALIBRATE ANCILLARY MONI
09/11/2014	14	1.00	14	RECALIBRATION	N/A
09/15/2014	06	0.72	13	PROCESS DOWN	N/A
09/15/2014	12	0.73	13	PROCESS DOWN	N/A
09/15/2014	22	0.63	13	PROCESS DOWN	N/A
09/16/2014	18	0.32	13	PROCESS DOWN	N/A
09/16/2014	21	0.17	13	PROCESS DOWN	N/A

DATE	HOUR	DURATION	CODE	EXPLANATION	CORRECTIVE ACTION
12/30/2014	01	0.07	13	PROCESS DOWN	N/A

INCIDENT SUMMARY: O2-D (%)

CODE	DURATION	PERCENT	EXPLANATION
12	1.00	1.52	EXCESS DRIFT ANCILLARY MONITOR
13	29.43	44.64	PROCESS DOWN
14	8.92	13.52	RECALIBRATION
20	26.58	40.32	CORRECTIVE MAINTENANCE

INCIDENT TOTAL DURATION: 65.93

Veolia Water - Naugatuck
Maximum Allowable Stack Concentration Calculation Sheet

Criteria Pollutant	HLV [1]	MASC [2]
METALS		
Arsenic	0.05	79.3
Beryllium	0.01	15.9
Cadmium	0.4	634.6
Chromium	2.5	3966.3
Copper	20	31730.7
Lead	3	4759.6
Manganese	20	31730.7
Mercury	1	1586.5
Nickel	5	7932.7
Selemium	4	6346.1
Zinc	100	158653.3

Notes:
1. HLV = Hazard Limiting Value per Sec. 22a-174-29.
2. MASC = Maximum Allowable Stack Concentrations in the units of micrograms per actual cubic meters (ug/acm).
3. Note: Actual flow rate is the average of 6 test runs conducted on September 17-19, 2014

Variables

Stack air exhaust rate (acfm)	=	21961
Stack air exhaust rate (acms)	V =	10.37
Stack height (ft)	=	150
Stack height (m)	H =	45.73
ck height greater than 20 meters?	=	Yes
Distance to closest property line (m)	=	62.80
	X =	62.80
	X =	285.6
	$V^{0.64}$ =	4.47
	$X+1.08V^{0.64}$ =	290.39
	$(X+1.08V^{0.64})^{1.56}$ =	6954.36
	$(X+1.08V^{0.64})^{-1.56}$ =	1.438E-04
	$4.47(H-20)^{1.28}$ =	285.57
MASC/HLV =		1586.53

Naugatuck POTW, Naugatuck, CT

Sludge Metals 503 Report

YEAR: 2014

	Lead	Arsenic	Cadmium	Chromium	Nickel
January	32.2	2.00	1.38	29.30	15.4
February	39.2	1.80	1.62	59.80	42.8
March	29.0	1.30	1.05	27.90	19.8
April	40.2	2.80	2.00	40.70	26.1
May	58.4	3.10	2.36	39.40	34.6
June	46.9	2.40	1.69	27.50	20.8
July	69.3	2.20	1.43	33.50	18.9
August	69.5	0.80	1.51	24.30	16.7
September	50.2	2.50	2.24	41.10	34.1
October	64.7	<0.80	1.56	30.20	22.3
November	43.0	2.50	1.58	25.60	22.9
December	43.8	2.90	1.48	31.20	18.9

Note: All values in mg/kg

Environmental

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

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

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

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

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

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

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

4.0 SAMPLING LOCATION

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

4.1 Traverse Point Locations

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

Table 4-1
Traverse Point Locations

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

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INCINERATOR MONTHLY EMISSION REPORT2

COMPANY: VEOLIA WATER NORTH AMERICA
LOCATION: Naugatuck, CT

DATE CREATED: 01/08/2015 @ 07:23
PERIOD: 01/2014 - 12/2014

DATE	PROCESS CODE	NORTH SLUDGE PV (%)	SOUTH SLUDGE PV (%)	SCRUBBER DP ("wc)	VENTURI DP ("wc)	SCRUBBER WATER (gpm)	VENTURI WATER (gpm)	4TH TRAY WATER (gpm)	CO (ppmvd)	O2-D (%)	SOURCE ON (HRS)
01/2014	8	60.3	14.3	13.5	24.5	600.8	277.2	382.9	29.5	7.3	734.12
02/2014	8	34.8	45.0	12.9	35.2	586.6	305.7	364.9	35.8	6.8	649.63
03/2014	8	20.0	49.3	14.8	32.9	585.2	250.8	337.3	34.1	7.0	724.82
04/2014	8	25.9	42.8	12.7	24.8	585.0	262.5	309.4	37.6	6.7	703.23
05/2014	8	22.9	48.3	14.6	24.9	554.8	314.9	361.1	38.1	6.9	734.62
06/2014	8	36.3	32.6	14.6	24.4	605.7	292.0	404.6	27.0	7.9	689.83
07/2014	8	20.6	41.6	14.7	24.3	613.9	295.1	326.4	20.5	8.5	664.33
08/2014	8	58.0	12.5	13.2	24.7	557.7	316.3	349.4	27.8	8.8	655.15
09/2014	8	23.4	42.7	13.0	23.7	574.3	290.9	283.0	33.2	8.7	662.15
10/2014	8	49.6	18.8	13.7	24.7	598.5	306.2	345.0	35.7	8.1	720.02
11/2014	8	46.9	21.8	11.6	24.9	591.3	304.4	314.2	43.8	7.8	675.32
12/2014	8	37.2	30.7	16.8	24.2	591.6	308.5	301.2	45.1	8.0	678.30

	PROCESS CODE	NORTH SLUDGE PV (%)	SOUTH SLUDGE PV (%)	SCRUBBER DP ("wc)	VENTURI DP ("wc)	SCRUBBER WATER (gpm)	VENTURI WATER (gpm)	4TH TRAY WATER (gpm)	CO (ppmvd)	O2-D (%)	SOURCE ON (HRS)
AVERAGE		36.3	33.4	13.8	26.1	587.1	293.7	340.0	34.0	7.7	0.00
TOTAL											0.00
MIN VALUE		20.0	12.5	11.6	23.7	554.8	250.8	283.0	20.5	6.7	
MIN DATE		03/2014	08/2014	11/2014	09/2014	05/2014	03/2014	09/2014	07/2014	04/2014	
MAX VALUE		60.3	49.3	16.8	35.2	613.9	316.3	404.6	45.1	8.8	
MAX DATE		01/2014	03/2014	12/2014	02/2014	07/2014	08/2014	06/2014	12/2014	08/2014	

INCINERATOR MONTHLY EMISSION REPORT1

COMPANY: VEOLIA WATER NORTH AMERICA
LOCATION: Naugatuck, CT

DATE CREATED: 01/08/2015 @ 07:22
PERIOD: 01/2014 - 12/2014

DATE	SOURCE ON (HRS)	TOTAL SLUDGE PV (%)	OVERALL DP ("wc)	BED TEMP (F)	FREE BOARD TEMP (F)	FB O2 (%)	CO @7% (ppmvd)	OPACITY (%)	WESP KV #1 (kV)	WESP KV #2 (kV)	OIL FLOW (GPH)	OIL FLOW (GAL)	DAS DOWN (HRS)
01/2014	734.12	74.5	40.7	1413.9	1660.1	7.4	27.3	0.17	49.75	0.00	18.5	13527.6	0.00
02/2014	649.63	79.8	40.3	1400.4	1649.2	6.8	34.5	1.75	52.23	0.00	23.8	15194.4	0.00
03/2014	724.82	69.2	40.8	1434.7	1650.9	7.0	32.9	3.28	54.02	0.00	9.5	6453.2	0.60
04/2014	703.23	68.8	40.3	1453.3	1680.9	6.8	38.0	3.25	54.49	0.00	4.3	2760.2	0.47
05/2014	734.62	71.2	42.2	1459.1	1672.1	7.0	37.8	3.52	54.97	0.00	4.8	3516.3	0.00
06/2014	689.83	70.7	41.6	1456.8	1662.3	7.9	29.4	3.65	54.67	0.00	5.8	3622.9	5.33
07/2014	664.33	62.2	41.6	1446.1	1677.8	8.5	22.8	3.62	49.74	0.00	8.0	4292.9	0.00
08/2014	655.15	70.4	40.5	1454.1	1670.3	8.8	32.6	3.57	44.93	0.00	5.8	3352.0	24.27
09/2014	662.15	65.4	39.3	1441.5	1629.1	8.8	37.1	3.13	46.81	0.00	5.9	3473.5	8.48
10/2014	720.02	68.3	41.1	1456.6	1648.9	8.1	37.7	1.71	52.87	0.00	2.7	1890.6	0.00
11/2014	675.32	68.7	39.2	1431.1	1655.5	7.8	45.4	1.49	52.17	0.00	5.5	3525.6	0.00
12/2014	678.30	67.8	43.6	1432.5	1651.4	8.1	49.9	0.46	53.02	0.00	5.8	3900.5	5.10

	SOURCE ON (HRS)	TOTAL SLUDGE PV (%)	OVERALL DP ("wc)	BED TEMP (F)	FREE BOARD TEMP (F)	FB O2 (%)	CO @7% (ppmvd)	OPACITY (%)	WESP KV #1 (kV)	WESP KV #2 (kV)	OIL FLOW (GPH)	OIL FLOW (GAL)	DAS DOWN (HRS)
AVERAGE		**69.8**	**40.9**	**1440.0**	**1659.0**	**7.8**	**35.5**	**2.47**	**51.64**	**0.00**	**8.4**		
TOTAL	**8291.52**											**65509.7**	**44.25**
MIN VALUE		**62.2**	**39.2**	**1400.4**	**1629.1**	**6.8**	**22.8**	**0.17**	**44.93**	**0.00**	**2.7**	**1890.6**	
MIN DATE		**07/2014**	**11/2014**	**02/2014**	**09/2014**	**02/2014**	**07/2014**	**01/2014**	**08/2014**	**01/2014**	**10/2014**	**10/2014**	
MAX VALUE		**79.8**	**43.6**	**1459.1**	**1680.9**	**8.8**	**49.9**	**3.65**	**54.97**	**0.00**	**23.8**	**15194.4**	
MAX DATE		**02/2014**	**12/2014**	**05/2014**	**04/2014**	**09/2014**	**12/2014**	**06/2014**	**05/2014**	**12/2014**	**02/2014**	**02/2014**	

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

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

DATE CREATED: 01/07/2015 @ 08:18
PERIOD: 07/01/2014 - 12/31/2014

COMPANY: VEOLIA WATER NORTH AMERICA
LOCATION: Naugatuck, CT

EMISSION LIMITATION: 8.0 ("WC) LIMIT

MONITOR MANUF / MODEL #: Rosemount
LATEST CMS AUDIT: 12/12/2014
PROCESS UNIT(S) DESC: EMU 52

Total source operating time in reporting period: 4060.35 Hours

Emission Data Summary (1)		CMS Performance Summary (1)	
1. Duration of excess emissions in reporting period due to		1. CMS Downtime in reporting period due to	
a. Startup/shutdown	19.75	a. Monitor equipment malfunctions	0.00
b. Control equipment problems	0.00	b. Non-monitor equipment malfunctions	0.00
c. Process problems	0.00	c. Quality assurance calibration	0.00
d. Other known causes	0.00	d. Other known causes	0.00
e. Unknown causes	27.20	e. Unknown causes	0.00
2. Total duration of excess emissions	46.95	2. Total CMS Downtime	0.00
3. % of source operating time (2)	1.2%	3. % of source operating time (2)	0.0%

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

Name: John Batorski

Signature: John Batorski

Title: Plant Manager

Date: 1-8-15

COMPANY:	VEOLIA WATER NORTH AMERICA
LOCATION:	Naugatuck, CT
SOURCE:	FB Incinerator
CEMS ID:	1234567
DATE CREATED:	01/07/2015 @ 08:18
PERIOD:	07/01/2014 - 12/31/2014 11:00:00 PM

CMS DOWNTIME: OVERALL DP ("wc)

DATE	HOUR	DURATION	CODE	EXPLANATION	CORRECTIVE ACTION
07/01/2014 - 12/31/2014	NO	INCIDENT	OCCURRED		

VEOLIA
WATER

December 29, 2014

Mr. James Stewart
Director of Public Works
Naugatuck Public Works Department
246 Rubber Avenue
Naugatuck, CT 06770

Re: ARI memo dated Dec. 11, 2014

Dear Mr. Stewart,

In response to the ARI memo dated December 11, 2014 (attached), per your request, we offer the following comments.

Ash Lagoon Monitoring Plan

The existing written Ash Lagoon Monitoring Plan is based upon current practices which Veolia believes are best management practices. The original plan did not include the additional sampling/monitoring requirements of the new permit. We agree the price does not include a new Ash Lagoon Management Plan. If one is required, which is a separate issue; this would be the first step. Veolia recommended Wright Pierce be retained to review the current plan and independently determine if it is in compliance with new permit requirements. If it is determined the plan requires an update, a proposal would be developed.

As you are aware, the new permit requires additional out of scope monitoring of the ash lagoon effluent. That additional monitoring language would be placed in the updated plan if it is deemed compliant. At current prices, the ash lagoon out of scope analysis analytical cost is $72.50 per sample.

Sludge Screening, Monitoring, and Reporting Protocol

ARI indicates a report is not necessary. Veolia cannot certify the existing protocol as conforming to the new permit. The new permit requires additional out of scope monitoring requirements not contained in the old permit protocol. Specifically, the old permit Table E (attached) required 9 analysis parameters while the new permit, Table H (attached) requires 11 additional parameters. That additional monitoring is required for each sludge generator quarterly (Section 9, A, 1, (a)). The same additional monitoring is required for the bi-monthly filter cake monitoring (Section 9, A, 3(a)). Finally, the new permit requires annual monitoring of the Table H parameters for every sludge

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generator (Sect 9, A, 3, (b)). We agree a report is not required at this time; however the protocol must be amended to reflect the new NPDES requirements. The Wright Pierce proposal would review and update the protocol to comply with the new permit conditions.

The new permit out of scope additional monitoring (Table H), has an analytical cost of $146.00 per sample set (reflects pricing as of (12/1/14). Please note multiple sample sets, bi monthly, quarterly and annually are required to comply with the new permit.

Please let me know if this answers your questions.

Sincerely,
Veolia Water North America – Northeast, LLC

John Batorski
Plant Manager

CC: Dan Gorka, Vice President Veolia Water

Attachments: Table H and Table E
ARI Memo

TABLE E

Discharge Serial Number: 001-01		Monitoring Location: S	
Wastewater Description: dewatered sludge			
Monitoring Location Description: dewatered sludge after the filter press			
PARAMETER	Test Method*	Units (dry weight)	Grab Sample Freq.
Arsenic, Total		mg/kg	Bi-Monthly
Beryllium, Total		mg/kg	Bi-Monthly
Cadmium, Total		mg/kg	Bi-Monthly
Chromium, Total		mg/kg	Bi-Monthly
Copper, Total		mg/kg	Bi-Monthly
Lead, Total		mg/kg	Bi-Monthly
Mercury, Total		mg/kg	Bi-Monthly
Nickel, Total		mg/kg	Bi-Monthly
Zinc, Total		mg/kg	Bi-Monthly

*All metal analyses will be performed in accordance with 40CFR Part 136 EPA approved methods.

TABLE H

Discharge Serial Number: 001-1	Monitoring Location: S		
Wastewater Description: Dewatered or Thickened Sludge			
Monitoring Location Description: Dewatered Sludge After Filter Press			
PARAMETER	INSTANTANEOUS MONITORING		REPORTING FORM
	Units	Grab Sample Freq.	
Arsenic, Total	mg/kg	Bi-Monthly	DMR
Beryllium, Total	mg/kg	Bi-Monthly	DMR
Cadmium, Total	mg/kg	Bi-Monthly	DMR
Chromium, Total	mg/kg	Bi-Monthly	DMR
Copper, Total	mg/kg	Bi-Monthly	DMR
Lead, Total	mg/kg	Bi-Monthly	DMR
Mercury, Total	mg/kg	Bi-Monthly	DMR
Nickel, Total	mg/kg	Bi-Monthly	DMR
Nitrogen, Ammonia *	mg/kg	Bi-Monthly	DMR*
Nitrogen, Nitrate (total as N) *	mg/kg	Bi-Monthly	DMR*
Nitrogen, Organic *	mg/kg	Bi-Monthly	DMR*
Nitrogen, Nitrite (total as N) *	mg/kg	Bi-Monthly	DMR*
Nitrogen, Total *	mg/kg	Bi-Monthly	DMR*
pH	S.U.	Bi-Monthly	DMR
Polychlorinated Biphenyls	mg/kg	Bi-Monthly	DMR
Selenium, Total	mg/kg	Bi-Monthly	DMR
Solids, Fixed	%	Bi-Monthly	DMR
Solids, Total	%	Bi-Monthly	DMR
Solids, Volatile	%	Bi-Monthly	DMR
Zinc, Total	mg/kg	Bi-Monthly	DMR

(*) required for composting or land application only

Testing for inorganic pollutants shall follow "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", EPA Publication SW-846 as updated and/or revised.

Alternative Resources, Inc.

Corporate Headquarters

1732 Main Street
Concord, MA 01742
Tel (978) 371-2054
Fax (978) 371-7269

www.alt-res.com

ARI

MEMORANDUM

1201-3

TO: Jim Stewart (Borough)

cc: Jim Osborn (ARI)
David Mackenzie (ARI)

FROM: Kathleen A. Luvisi

DATE: December 11, 2014

SUBJECT: **ARI Review of VWNA Proposals for Ash Lagoon Management Plan and Sludge Protocol**

ARI has reviewed the two proposals submitted by Veolia Water North America (VWNA) for the preparation of the Ash Lagoon Management Plan and the Sludge Screening, Monitoring, and Reporting Protocol.

Ash Lagoon Management Plan

The Ash Lagoon Management Plan requirement is found in the NPDES Permit as part of the Compliance Schedule in Section 10 (B). VWNA submitted a proposal prepared by Wright Pierce, in which Wright Pierce proposes to review the existing Ash Lagoon Management Plan and confirm whether it is in conformance with the new permit requirements.

ARI's comment is that Wright Pierce proposes to prepare a letter report to VWNA which states whether the existing Ash Lagoon Management Plan is in conformance with the new permit requirements. It does not appear that the proposed price of $3,500 includes preparation of a new Ash Lagoon Management Plan if it is determined that a new plan is required. Will there be an additional cost to the Borough if a new Ash Lagoon Management Plan needs to be prepared? ARI recommends that the Borough request clarification of this issue.

The proposed fee of $3,500 to complete the scope of work appears reasonable.

Sludge Screening, Monitoring, and Reporting Protocol

The Sludge Screening, Monitoring, and Reporting Protocol requirement is found in the NPDES Permit in Section 9. VWNA submitted a proposal prepared by Wright Pierce, in which Wright Pierce proposes to review the existing Sludge Screening, Monitoring, and Reporting Protocol and update the sludge protocol as necessary so that it is in conformance with the new permit requirements. Additionally, Wright Pierce proposes to prepare a report containing the information detailed in Section (9)(A)(3) of the NPDES Permit.

ARI has two comments on the Wright Pierce proposal. The first comment is that the NPDES requires that either: the permittee verify that the existing sludge protocol has not changed; or the permittee prepare and submit a new sludge protocol. Wright Pierce should review and certify that the existing sludge protocol is acceptable, or prepare a new sludge protocol. A report is not necessary.

The second comment is that Wright Pierce proposes to prepare a report containing the information detailed in Section (9)(A)(3) of the NPDES Permit. ARI's reading of Section 9 of the NPDES Permit is that, once the sludge protocol has been approved by CT DEEP, an annual report containing the information detailed in Section (9)(A)(3) is to be submitted on April 15th of the second year after approval. This annual report submittal is contingent upon DEEP approval of the sludge protocol. If the sludge protocol is approved by CT DEEP in 2015, then the annual report will be due on April 15, 2016. It is not necessary for Wright Pierce to prepare such a report at this time.

It is recommended that the Borough obtain a proposal for the review of, and, if necessary, preparation of the sludge protocol from Kleinfelder.

Markup

VWNA has added a 15% markup to the Wright Pierce proposal fee amounts, in order to account for VWNA's staff time in assisting Wright Pierce with proposal preparation. ARI reviewed the WWTS Service Contract and Incineration Lease to determine whether this type of markup is covered by the Service Contract or Lease. The Service Contract and Lease each provide for a 10% markup when VWNA utilizes third party contractors to conduct work at the facilities. The Service Contract and Lease are silent on markup of proposals by third party contractors. In this case, the difference between 10% markup and 15% markup is about $363.

VEOLIA
WATER

December 8, 2014

Mr. James Stewart
Director of Public Works
Naugatuck Public Works Department
246 Rubber Avenue
Naugatuck, CT 06770

Re: Out of Scope Projects

Dear Mr. Stewart,

Per your request are two proposals from Wright Pierce Engineers to comply with the new NPDES Permit CT 01000641 requirements. One proposal is for a review of the Ash Lagoon for $3,500.00. The second proposal for $3,750.00 is for the wastewater sludge screening, monitoring and reporting protocol.

The total for each separate project is $7,250. To account for the time required by our staff assisting Wright Pierce, we have included a 15% markup, or $1,087.50. The total cost for these projects would be $8,337.50

Please let me know if you approve.

Sincerely,
Veolia Water North America – Northeast, LLC

John Batorski
Plant Manager

CC: Dan Gorka, Vice President Veolia Water

Attachments: WP Proposal Ash Lagoon Management Plan, Wastewater Sludge Screening.

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

WRIGHT-PIERCE
Engineering a Better Environment

Water
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Infrastructure

November 20, 2014
W-P Project No. T10460

Mr. John Batorski, Project Manager
Veolia North America
500 Cherry Street
Naugatuck, CT 06770

Subject: Naugatuck Water Pollution Control Facility (WPCF)
Proposal for review of Veolia's Ash Lagoon Management Plan

Dear John:

As requested, this is our proposal to provide technical support to Veolia North America (VNA) with the review of Veolia's ash lagoon management plan at the Naugatuck WPCF to confirm that the plan is consistent with the requirements of the new NPDES Permit No. CT 01000641 issued on August 21, 2014.

Background

It is our understanding that the Borough of Naugatuck received their final NPDES Permit No. CT 01000641 for the Naugatuck WPCF on August 21, 2014. The new permit includes a requirement for development of a comprehensive plan for the management of the on-site ash lagoons. Veolia North America currently manages and operates the Naugatuck WPCF and intends to retain Wright-Pierce to review the ash lagoon management plan to confirm that the plan is consistent with the new permit requirements listed in Section 10, Paragraph B.

Scope of Services

Based on our current understanding of the proposed project and VNA's goals, our proposed scope of services is as follows:

1. Request and obtain the current ash lagoon management plan from VNA.
2. Conduct a site visit to inspect the existing ash lagoon.
3. Review the plan, including the following as required by the permit:
    a. Best management practices including the dredging of the ash lagoons on a frequency necessary for maintaining them in a good operational condition.
    b. Dewatering and disposal measures of the dredged spoils in accordance with applicable regulations and best management practices.
    c. Implementation and maintenance of proper erosion control measures.
    d. Verification that the existing sampling location(s) at the effluent of each ash lagoon is representative of the discharge.

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Providence, RI 02903 USA
Phone 401.383.2276 | Fax 401.383.2924

e. Monitoring program in accordance with the requirements of table G monitoring location W.

4. Provide a DRAFT letter report summarizing the current ash lagoon management plan and whether is consistent with the current permit requirements, including descriptions of items under Paragraph 3.a. through 3.e. to VNA for review and comment.
5. Incorporate VNA's review comments and provide a revised final letter report to VNA.

Proposed Fee

We propose to provide the services as described above for a lump sum fee of $3,500. If necessary, we can discuss modifications to our scope to meet any budget constraints that VNA may have.

Proposed Schedule

We are proposing to complete this assignment within 14 days from the notice to proceed. If this proposal is acceptable, we will develop a draft engineering services Agreement. We are ready to begin our services upon authorization by VNA.

Thank you for considering Wright-Pierce for this assignment. We look forward to the opportunity to work with you and VNA on this project. If you have any questions, or if you need additional information, please feel free to contact me.

Sincerely,
WRIGHT-PIERCE

John W. Braccio

John W. Braccio, P.E.
President and CEO

WRIGHT-PIERCE
Engineering a Better Environment

Water
Wastewater
Infrastructure

November 20, 2014
W-P Project No. T10460

Mr. John Batorski, Project Manager
Veolia North America
500 Cherry Street
Naugatuck, CT 06770

Subject: Naugatuck Water Pollution Control Facility (WPCF)
Proposal for development of wastewater sludge screening, monitoring and reporting protocol for acceptance of wastewater sludges generated from outside sources.

Dear John:

As requested, this is our proposal to provide technical support to Veolia North America (VNA) for the update of a wastewater sludge screening, monitoring and reporting protocol for acceptance of wastewater sludges generated from outside sources at the Naugatuck WPCF based on requirements set forth in the new NPDES Permit No. CT 01000641 issued on August 21, 2014.

Background

It is our understanding that the Borough of Naugatuck received their final NPDES Permit No. CT 01000641 for the Naugatuck WPCF on August 21, 2014. The new permit includes a requirement for development of a sludge screening, monitoring and reporting protocol for acceptance of wastewater sludges generated from outside sources. Veolia North America currently manages and operates the Naugatuck WPCF and intends to retain Wright-Pierce to develop the sludge screening, monitoring and reporting protocol consistent with the new permit requirements listed in Section 9.

Scope of Services

Based on our current understanding of the proposed project and VNA's goals, our proposed scope of services is as follows:

1. Request and obtain current sludge management protocol and pertinent sludge analytical testing data from VNA.
2. Review and update the current protocol as necessary and develop a report including the following:
    a. Monitoring data and schedules for testing the pollutants specified in Table H of the permit bimonthly or at a minimum at a frequency no less than quarterly.
    b. Protocol for analyzing sludges for all the pollutants listed in Table H of the permit prior to acceptance at the Naugatuck WPCF, including verification that each such source is compatible with all other wastewater sludges accepted for incineration.

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3. Description of the domestic, commercial and industrial components generating the biological sludge.
4. For accepted non-domestic wastewater sludges for incineration, include a copy of the generator's current active individual wastewater discharge permit issued by DEEP under Section 22a-430 of the Connecticut General Statutes (CGS); or if eligible under DEEP's general permit program (Section 22a-430b CGS), include generator's copy of that permit and, if required, the associated registration; or include the generator's copy of any pertinent emergency or temporary authorization issued by the Commissioner pursuant to Section 22a-6k CGS.
5. Requirements for bimonthly monitoring of all the pollutants listed in Table H of the permit on a representative sample of filter cake taken prior to incineration.
6. Requirements for annual monitoring of all the pollutants listed in Table H of the permit for each municipal generator and private sewage sludge generator accepted for incineration.
7. Requirements for inclusion in VNA's Monthly Operating Report (MOR) a list of all municipal, private and commercial/industrial sludge sources and the quantity of sludge accepted from each source.
8. A statement certifying that all new out of state generators have been screened for acceptance in accordance with the approved protocol.
9. A statement certifying that VNA has monitored or caused the generator of all out of state municipal POTW sewage sludge and privately owned domestic sewage sludge to monitor its wastewater sludge in accordance with the permit requirements.
10. A statement certifying that all generators of commercial and industrial (non-domestic) wastewater sludge accepted for incineration have complied with the requirements of paragraph 4 above.
11. A copy of the VNA's most current annual 40 CFR 503 report.
12. VNA certification in writing, including the following: "I certify 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."
13. Provide a DRAFT report to VNA for review and comment.
14. Incorporate VNA's review comments and provide a revised final report to VNA.

Proposed Fee

We propose to provide the services as described above for a lump sum fee of $3,750. If necessary, we can discuss modifications to our scope to meet any budget constraints that VNA may have.

Proposed Schedule

We are proposing to complete this assignment within 14 days from the notice to proceed. If this proposal is acceptable, we will develop a draft engineering services Agreement. We are ready to begin our services upon authorization by VNA.

Thank you for considering Wright-Pierce for this assignment. We look forward to the opportunity to work with you and VNA on this project. If you have any questions, or if you need additional information, please feel free to contact me.

Sincerely,
WRIGHT-PIERCE

John W. Braccio

John W. Braccio, P.E.
President and CEO

Total Nitrogen Balance Sheet -2014 Monthly Averages by Plant

Plant	Limit	Avg	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Zone 1														
GROTON CITY WPCF	99	94	69	71	91	150	113	104	79	71	93	103	90	
GROTON TOWN WPCF	153	221	237	218	247	205	209	254	264	188	149	210	253	
JEWETT CITY WPCF	15	6	15	9	6	4	4	4	3	3	3	4	12	
KILLINGLY WPCF	131	153	122	151	173	274	264	208	90	97	125	104	73	
LEDYARD WPCF	7	7	18	8	7	8	6	6	6	5	4	4	4	
MONTVILLE WPCF	118	62	52	50	68	92	135	57	42	33	39	57	59	
NEW LONDON WPCF	386	275	290	305	252	301	321	252	274	236	205	267	325	
NORWICH WPCF	201	568	652	692	788	688	523	533	488	384	471	573	452	
PLAINFIELD NORTH WPCF	34	89	107	153	139	142	92	87	76	32	37	51	67	
PLAINFIELD VILLAGE WPCF	24	48	55	50	43	49	73	41	79	26	10	43	59	
PUTNAM WPCF	53	42	45	74	68	52	51	31	29	24	29	24	31	
SPRAGUE WPCF	7	12	22	16	13	17	10	6	8	12	11	9	6	
STAFFORD SPRINGS WPCF	60	125	155	174	173	218	151	135	111	68	66	69	53	
STONINGTON BOROUGH WPCF	14	15	22	27	24	32	19	8	7	6	11	8	3	
STONINGTON MYSTIC WPCF	27	31	39	35	36	40	46	53	50	12	13	12	9	
STONINGTON PAWCATUCK WPCF	24	17	24	22	23	27	18	14	12	9	8	13	12	
THOMPSON WPCF	10	49	29	51	71	61	75	63	51	43	30	29	31	
UCONN WPCF	44	73	130	127	134	122	38	19	25	29	50	67	57	
WINDHAM WPCF	125	146	130	229	395	262	114	103	83	68	69	66	84	
Zone 2														
BRISTOL WPCF	398	504	496	451	490	770	746	531	415	359	430	437	417	
CANTON WPCF	24	82	99	111	104	88	94	68	64	46	71	73	82	
EAST HAMPTON WPCF	54	81	97	110	82	64	92	67	47	72	78	74	103	
EAST HARTFORD WPCF	292	468	562	629	651	601	595	657	362	317	232	229	318	
EAST WINDSOR WPCF	59	30	37	41	34	49	43	35	25	10	17	22	22	
ENFIELD WPCF	278	248	268	227	247	321	239	269	215	233	246	234	228	
FARMINGTON WPCF	178	306	308	279	317	318	544	388	325	208	182	246	253	
GLASTONBURY WPCF	98	61	48	44	81	56	81	64	83	46	72	52	44	
HARTFORD WPCF	2377	3098	4053	4099	4308	4351	4437	2267	1752	1752	1829	1805	3430	
MANCHESTER WPCF	312	696	1095	1054	1115	1119	499	650	624	365	367	417	351	
MATTABASSETT WPCF	834	1198	2018	2282	2328	1740	1776	434	428	500	396	503	771	
MIDDLETOWN WPCF	222	534	555	574	560	871	592	482	420	397	540	426	455	
NEW HARTFORD WPCF	3	4	3	2	2	9	14	6	4	2	2	1	1	
PLAINVILLE WPCF	101	112	62	121	156	148	177	95	106	53	108	99	110	

Total Nitrogen Balance Sheet -2014 Monthly Averages by Plant

Plant	Limit	Avg	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
PLYMOUTH WPCF	42	63	78	52	66	75	68	52	60	43	39	68	89	
PORTLAND WPCF	31	21	17	22	30	39	35	17	13	14	15	18	15	
ROCKY HILL WPCF	288	404	351	272	430	568	485	392	395	429	360	358	409	
SIMSBURY WPCF	107	59	61	78	49	58	54	40	51	78	77	68	32	
SOUTH WINDSOR WPCF	106	103	81	95	93	88	119	115	107	105	115	105	110	
SUFFIELD WPCF	45	25	38	35	51	52	21	10	15	9	10	15	15	
VERNON WPCF	184	430	432	467	427	499	612	536	385	401	356	287	327	
WINDSOR LOCKS WPCF	66	57	82	54	63	81	68	47	51	47	44	42	44	
WINDSOR POQUONOCK WPCF	98	530	534	510	560	671	609	534	524	460	449	510	464	
WINSTED WPCF	64	83	97	107	100	137	96	65	56	52	60	77	67	

Zone 3

BRANFORD WPCF	192	108	95	115	138	200	90	122	111	113	64	80	55	
CHESHIRE WPCF	103	72	44	105	67	163	72	49	58	56	60	82	41	
MERIDEN WPCF	449	138	154	131	150	337	208	111	85	91	60	87	101	
NEW HAVEN EAST WPCF	1568	2741	1491	1596	2109	1676	2684	3311	2874	2155	3723	4326	4211	
NORTH HAVEN WPCF	158	159	269	169	191	164	192	156	148	119	115	108	118	
SOUTHINGTON WPCF	204	205	442	569	559	169	118	59	65	77	69	52	76	
WALLINGFORD WPCF	269	418	532	508	594	748	516	317	252	197	240	297	397	
WEST HAVEN WPCF	353	289	357	536	557	317	289	280	136	187	167	162	196	

Zone 4

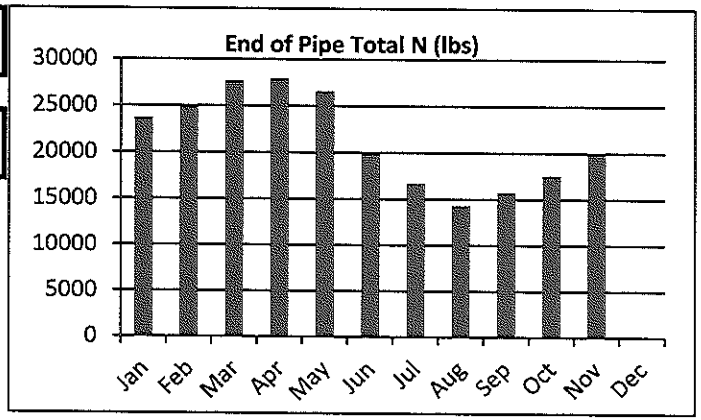
ANSONIA WPCF	115	58	55	65	76	97	75	51	50	44	38	42	47	
BEACON FALLS WPCF	12	51	59	54	64	54	48	28	38	40	50	63	63	
DANBURY WPCF	442	370	487	338	419	358	305	434	470	313	317	303	328	
DERBY WPCF	71	65	53	54	92	69	116	60	51	51	47	52	70	
LITCHFIELD WPCF	24	21	27	28	30	31	42	11	15	10	12	12	14	
MILFORD BEAVER BROOK WPCF	94	54	49	65	50	91	77	40	27	43	51	49	50	
MILFORD HOUSATONIC WPCF	307	368	304	505	380	1297	281	400	193	171	89	138	294	
NAUGATUCK TREATMENT Co.	246	229	259	251	292	424	307	213	176	139	138	162	162	
NEW MILFORD WPCF	28	25	31	31	17	22	28	30	29	24	25	21	17	
NEWTOWN WPCF	42	12	10	9	16	14	13	10	10	8	9	13	19	
NORFOLK WPCF	11	16	16	15	19	27	35	15	13	9	6	12	10	
NORTH CANAAN WPCF	13	25	25	31	27	35	29	23	25	23	16	20	24	
SALISBURY WPCF	21	29	32	27	26	29	28	20	30	29	30	37	29	
SEYMOUR WPCF	61	62	30	28	82	136	120	76	46	33	30	56	46	

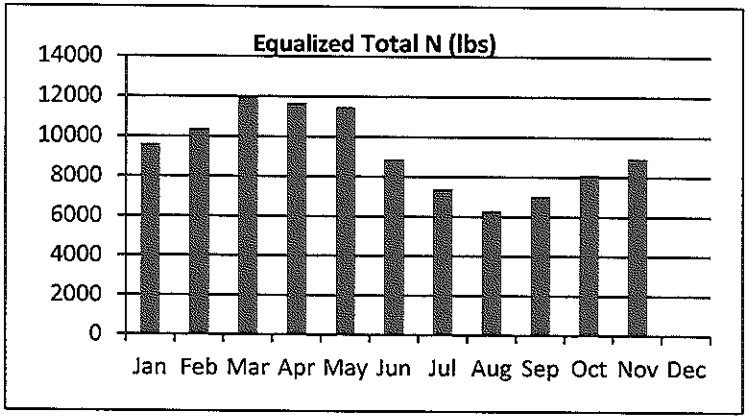
Total Nitrogen Balance Sheet -2014 Monthly Averages by Plant

Plant	Limit	Avg	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
SHELTON WPCF	106	64	68	69	60	72	81	85	36	39	59	100	37	
STRATFORD WPCF	356	358	242	431	774	720	621	230	216	210	174	153	170	
THOMASTON WPCF	42	29	43	29	33	34	55	37	26	26	14	12	15	
TORRINGTON WCPF	248	238	314	248	282	259	322	221	195	205	186	178	207	
WATERBURY WPCF	1010	658	1107	711	843	1048	1304	613	354	234	242	282	504	
Zone 5														
BRIDGEPORT EAST WPCF	362	390	616	689	515	436	292	275	277	243	221	284	438	
BRIDGEPORT WEST WPCF	1041	925	955	893	1013	1434	927	871	827	782	686	969	822	
FAIRFIELD WPCF	406	272	260	263	241	347	372	425	259	177	154	234	255	
WESTPORT WPCF	87	28	33	38	71	21	22	26	18	18	17	21	23	
Zone 6														
GREENWICH WPCF	479	478	539	583	625	483	514	394	529	400	340	410	440	
NEW CANAAN WPCF	64	26	39	35	32	41	35	16	15	16	12	19	23	
NORWALK WPCF	718	747	551	988	1629	737	958	803	494	494	499	496	570	
RIDGEFIELD SOUTH ST. WPCF	29	41	58	60	66	50	34	37	28	22	28	34	36	
STAMFORD WPCF	926	411	401	476	504	370	1052	264	236	258	277	321	359	
End of Pipe Total			23732	24921	27738	28027	26620	19912	16716	14400	15783	17566	20104	0
Equalized Total			9632	10392	11992	11698	11502	8876	7412	6359	7067	8141	8958	0

End of Pipe Permit = 18,450
End of Pipe Avg = 21,411

Equalized Permit = 9,148
Equalized Avg = 9,275





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Connecticut Department of
ENERGY &
ENVIRONMENTAL
PROTECTION

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Notice of Future Plans of the Nitrogen Trading Program

To: **Connecticut Nitrogen Trading Program Participants**

From: **Connecticut Department of Energy and Environmental Protection and the Connecticut Nitrogen Credit Advisory Board**

The Connecticut Department of Energy and Environmental Protection (DEEP), working with the Nitrogen Credit Advisory Board (NCAB), have initiated steps regarding the future plans of the Nitrogen Trading Program.

Nitrogen Trading Approach

The Nitrogen Trading Program has been an innovative approach to cost effectively meeting the 2014 TMDL goal by:

- Encouraging denitrification at sewage treatment plants (STPs) with enhanced Clean Water Fund grants
- Spreading nitrogen removal upgrades over thirteen years with the southwestern and larger STPs moving first, thereby reducing the impact on the Clean Water Fund (CWF)
- Allowing smaller more distant STPs to purchase credits rather than upgrading to meet 65% removal requirements.

Fifty-three (53) of the 79 eligible STPs have become "Project Facilities" completing construction for nitrogen removal through 2013, with an expected total of sixty (60) "Project Facilities" completing construction by 2018. Through 2013 the total amount of grants and loans invested by the CWF for these nitrogen removal upgrade projects is over $330 million with an expected total over $450 million through 2018. It is estimated that $300 – 400 million have been saved by not requiring all STPs to upgrade.

Success towards TMDL Compliance

Steady progress has been made towards achieving the 2014 TMDL allocation of 9,141 equalized pounds of nitrogen per day (eq. lbs N/day). The performance of the STPs in 2013 was 8,851 eq. lbs N/day, which was under the 2014 TMDL limit. The exceptional job performed by the operators at the STPs assisted in the reduction of pounds of nitrogen discharged.

The DEEP is projecting that in the future, the state will continue to comply with the TMDL as an additional seven STPs with very significant nitrogen loads are forecast to complete nitrogen removal projects by 2018. This will be aided by the continued ability of the operators to optimize nitrogen removal at the STPs.

Increasing State Subsidy Strains State Budget

In 2012, thirty-three STPs were required to purchase credits in order to maintain compliance with the Nitrogen General Permit at a value of $1,506,203. In the same year, forty-seven STPs sold credits valued at $3,932,232. This left an excess of credits valued at $2,426,029 that the State had to purchase in 2013.

In 2013, thirty-eight STPs were required to purchase credits equal to $2,408,402 and forty-one STPs produced credits valued at $3,429,365. This left an excess of credits available valued at $1,020,963 that the State will have to purchase this year.

The projections for 2018, following the current program and based on an average performance year, have the State subsidizing the program in that year at over $5 million. This level of continued subsidization is not sustainable for a variety of reasons.

Proposed Program Change to Self-Sufficiency

To address the unsustainable state subsidization of the Nitrogen Trading Program and to avoid discontinuing the program, the DEEP and the NCAB recommend moving the trading program to self-sufficiency, exploring legislative changes to support the near-term goals of the trading program and providing public outreach to the municipalities that participate in the trading program. Different scenarios were evaluated with the outcome resulting in the following near-term goals for the trading program to become self-sufficient:

- Maintain compliance with the TMDL by continuing to encourage optimizing denitrification at STPs consistent with requirements in STP NPDES permits
- Continue the use of the Nitrogen General Permit by seeking general permit renewal in 2015
- Maintain options for future compliance should the TMDL be modified
- Move the trading program to self-sufficiency to eliminate continuing state subsidy by the 2015 trading year
- Include necessary administrative support in a self-sufficient program such as water quality monitoring
- Seek statutory changes to the Nitrogen Trading Program as necessary to enable program self-sufficiency

The self-sufficiency scenario consists of the buyers buying the credits they need to meet their General Permit limit with those payments being shared by the sellers proportionally. Most sellers will receive a reduction in the amount received as the state would no longer be subsidizing credits and the number of buyers is decreasing. The future trading program projection for 2015 and 2018 (self-sufficiency scenario) included in Attachment A is based on an average performance year and with the anticipated upgraded STPs that will be in operation for the given trading year. The future program consists of the buyers buying the credits they need to meet their General Permit limit with those payments being shared by the sellers proportionally.

Next Steps

The next steps to comply with the near-term goals of the trading program are to:

- Renew the nitrogen general permit before December 31, 2015 for five years;
- Continue trading in the same manner since the program was implemented in 2002 for the 2014 trading year;
- Move to a self-sufficient program where the buyers would purchase the equivalent nitrogen credits necessary to meet the TMDL for the 2015 trading year;
- Outreach to STPs about proposal program changes; and
- Continue discussion of alternative funding mechanisms.

How Your Voice Can Be Heard

On September 17 at 10:00 you are invited to participate in a forum to learn more about the near-term goals of the nitrogen trading program at the Department of Energy and Environmental Protection Phoenix Auditorium located at 79 Elm St in Hartford.

For more information about the Nitrogen Control Program for Long Island Sound please go to http://www.ct.gov/deep/cwp/view.asp?a=2719&q=325572&deepNav_GID=1635.

Please call Iliana Raffa at (860)424-3758 if you have any questions or you can send your comments to her at Iliana.Raffa@ct.gov.

Sincerely,

for Betsey Wingfield
Bureau Chief
Bureau of Water Protection and Land Reuse

VEOLIA
WATER

Sent via certified mail on January 6, 2015 receipt # 7009 2820 0004 1018 1306

January 6, 2015

Ms. Iliana Raffa
Connecticut Department of Energy and Environmental Protection
Bureau of Water Protection
79 Elm Street
Hartford, CT 06106-5127

RE: Nitrogen Analyzer 2014 Annual Report

Dear Ms. Raffa:

The ammonia probe system installed under the Nitrogen Credit program remained in operation during 2014 at the Borough of Naugatuck WWTP operated by Veolia Water. The analyzers per DEEP's request are maintained by Hach through an annual service contract. The analyzers are programmed via the plant SCADA system to provide a trimming function to the existing Hach dissolved oxygen probes. Depending upon the concentrations of ammonia, the dissolved oxygen setpoints are automatically adjusted up or down by the plant SCADA system.

The system continued to perform well this past year of operation.

If you require additional information, please contact me.

Sincerely,
Veolia Water North America – Northeast, LLC

John Batorski
Plant Manager

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

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

VEOLIA
WATER

Sent Certified R.R.R. mail #7009 2820 0004 1018 1290 on January 5, 2015

SERC Administrator
Connecticut Department of Environmental Protection
Bureau of Waste Management
79 Elm Street
Hartford, CT 06106-5127

January 5, 2015

Re: 2014 Tier II Report

Dear Sir/Madam:

Enclosed please find a copy of the 2014 Tier Two Report for Naugatuck's Wastewater Treatment Facility. The file was also sent electronically. A CD is also enclosed with the information.

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 (report)
Ken Hanks, Fire Chief (copy of CD and report)
Enclosure: 2014 Tier Two Report with Certification Page

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

Facility Name: Naugatuck POTW

****
****

FACILITY IDENTIFICATION:
Naugatuck POTW
Dept: Operations
500 Cherry
Naugatuck, CT 06770 USA
County: New Haven
Latitude: 41.4726
Longitude: -73.0534
MAILING ADDRESS: 500 Cherry Street
Naugatuck, CT 06770 USA
Facility Phone: 203-723-1433

[x] All facility information (not including chemical information) is identical to last year's submission

IDENTIFICATION NUMBERS:
:
:
:
Dun & Bradstreet: 172413759
NAICS: 22132 (Sewage Treatment Facilities)
SIC: 4952 (SEWERAGE SYSTEMS)

Is the facility manned? [x] Manned [ ] Unmanned
Maximum No. of Occupants: 25

REGULATORY INFORMATION:
Subject to Emergency Planning under Section 302 of EPCRA (40 CFR part 355)? [ ] Yes [x] No
Subject to Chem. Accident Prevention under Section 112(r) of CAA (40 CFR part 68, Risk Mgmt. Pgm.)? [ ] Yes [x] No

CONTACT INFORMATION:

Batorski, John
Title: Plant Manager Contact Type 1: Owner / Operator Contact Type 2: Emergency Contact Contact Type 3: Fac. Emergency Coordinator Contact Type 4: Tier II Information Contact
Address: 500 Cherry Street, Naugatuck, CT, 06770 USA
Phones: Work: 203-723-1433 Mobile - Cell: 203-509-6010 Home: 860-349-8589 24-hour: 203-723-1433
Email: John.Batorski@Veolia.com

Makuch, Chris
Title: Assistant Plant Manager Contact Type 1: Emergency Contact Contact Type 2: Owner / Operator Contact Type 3: Parent Company
Address: 500 Cherry Street, Naugatuck, CT, 06770 USA
Phones: Mobile - Cell: 203-509-4740 Home: 860-827-9908 Work: 203-723-1433 24-hour: 203-723-1433
Email: Chris.Makuch@Veolia.com

Santa Buckley (fuel oil #2 and ULSD),
Contact Type 1: Parent Company
Address: , Bridgeport, CT, USA

Phones: Work: 2033363541

Hubbard Hall (potassium permanganate),
Contact Type 1: Parent Company
Address: , Waterbury, CT, USA
Phones: Work: 203-756-5521

Holland Chemical (sodium bisulfite),
Contact Type 1: Parent Company
Address: , Adams, MA, USA
Phones: Work: 413-743-1292

Kuehne Chemical (caustic),
Contact Type 1: Parent Company
Address: , Kearny, NJ,
Phones: Work: 973-589-0700

Polydyne (polymers),
Contact Type 1: Parent Company
Address: , Riceboro, GA,
Phones: Work: 800-848-7659

CHEMICAL DESCRIPTIONS:

CHEM NAME: CAUSTIC SODA, SOLUTION
CAS: 1310-73-2
[x] Identical to previous year
[ ] TRADE SECRET
[ ] Pure [x] Mix [ ] Solid [x] Liquid [ ] Gas [ ] EHS
PHYSICAL & HEALTH HAZARDS:
[ ] Fire [ ] Sudden Release of Pressure [x] Reactivity [x] Immediate (acute) [ ] Delayed (chronic)
INVENTORY:
[ ] Below Reporting Thresholds
Max Amt: 60000 pounds Max Daily Amt code: 08 (50,000 - 74,999 pounds)
Avg Amt: 30000 pounds Avg Daily Amt code: 07 (25,000 - 49,999 pounds)
Max quantity in largest container: 30000 pounds
No. of days on-site: 365
STORAGE LOCATIONS:
[ ] Confidential
Container Type: Tank inside building Pressure: Ambient pressure Temp: Ambient temperature Location: admin. basement Amount: 4000 gallons
Container Type: Tank inside building Pressure: Ambient pressure Temp: Ambient temperature Location: admin. basement Amount: 4000 gallons
CHEMICALS IN INVENTORY STATE FIELDS:
Connecticut requests the following:
Mode of Shipment:
[ ] Trucks [x] Tank Trucks [ ] Rail Car [ ] Tank Car [ ] Pipeline [ ] Barge [ ] Other (Specify)
Specify other:
Frequency of Shipment: 2 per Month
Maximum capacity per single vessel: 4500

Facility Name: Naugatuck POTW

Max Shipment Qty (lbs): 45000
Ave Qty (lbs): 45000
Physical State in Transit: Liquid
Comments (please provide both the primary and alternate routes of travel): Rt 8 to Rt 63 to Cherry Street Naugatuck
Carrier: various- contract haulers

CHEM NAME: Emulsion Polymer
CAS: 69418-26-4
[x] Identical to previous year
[ ] TRADE SECRET
[ ] Pure [x] Mix [ ] Solid [x] Liquid [ ] Gas [ ] EHS
PHYSICAL & HEALTH HAZARDS:
[ ] Fire [ ] Sudden Release of Pressure [ ] Reactivity [ ] Immediate (acute) [ ] Delayed (chronic)
INVENTORY:
[ ] Below Reporting Thresholds
Max Amt: 17000 pounds Max Daily Amt code: 06 (10,000 - 24,999 pounds)
Avg Amt: 9000 pounds Avg Daily Amt code: 05 (5,000 - 9,999 pounds)
Max quantity in largest container: 16680 pounds
No. of days on-site: 365
STORAGE LOCATIONS:
[ ] Confidential
Container Type: Tank inside building Pressure: Ambient pressure Temp: Ambient temperature Location: east of plant across from the garage Amount: 2000 gallons
CHEMICALS IN INVENTORY STATE FIELDS:
Connecticut requests the following:
Mode of Shipment:
[ ] Trucks [x] Tank Trucks [ ] Rail Car [ ] Tank Car [ ] Pipeline [ ] Barge [ ] Other (Specify)
Specify other:
Frequency of Shipment: 2 per Month
Maximum capacity per single vessel: 2000
Max Shipment Qty (lbs): 12750
Ave Qty (lbs): 8500
Physical State in Transit: Liquid
Comments (please provide both the primary and alternate routes of travel): Rt 8 to RT 63 to Cherry Street,Naugatuck
Carrier: contract truckers via Polydyne

CHEM NAME: FUEL OIL, [NO. 2]
CAS: 68476-30-2
[x] Identical to previous year
[ ] TRADE SECRET
[ ] Pure [x] Mix [ ] Solid [x] Liquid [ ] Gas [ ] EHS
PHYSICAL & HEALTH HAZARDS:
[x] Fire [ ] Sudden Release of Pressure [ ] Reactivity [ ] Immediate (acute) [ ] Delayed (chronic)
INVENTORY:
[ ] Below Reporting Thresholds
Max Amt: 149600 pounds Max Daily Amt code: 10 (100,000 - 499,999 pounds)
Avg Amt: 80000 pounds Avg Daily Amt code: 09 (75,000 - 99,999 pounds)
Max quantity in largest container: 149600 pounds
No. of days on-site: 365
STORAGE LOCATIONS:
[ ] Confidential

Facility Name: Naugatuck POTW

Container Type: Below ground tank Pressure: Ambient pressure Temp: Ambient temperature Location: southwest of incinerator building Amount: 20000 gallons
Container Type: Above ground tank Pressure: Ambient pressure Temp: Ambient temperature Location: Locker room basement Amount: 275 gallons
Container Type: Above ground tank Pressure: Ambient pressure Temp: Ambient temperature Location: Admin room basement Amount: 275 gallons
Container Type: Above ground tank Pressure: Ambient pressure Temp: Ambient temperature Location: Generator room Amount: 275 gallons
CHEMICALS IN INVENTORY STATE FIELDS:
Connecticut requests the following:
Mode of Shipment:
[ ] Trucks [x] Tank Trucks [ ] Rail Car [ ] Tank Car [ ] Pipeline [ ] Barge [ ] Other (Specify)
Specify other:
Frequency of Shipment: 1 per Month
Maximum capacity per single vessel: 7500
Max Shipment Qty (lbs): 45000
Ave Qty (lbs): 45000
Physical State in Transit: Liquid
Comments (please provide both the primary and alternate routes of travel): Rt8 to Rt 63 to Cherry Street, Naugatuck
Carrier: various - depends upon whom it was purchased from

CHEM NAME: Mannich Polymer
CAS: 68130-63-2
[x] Identical to previous year
[ ] TRADE SECRET
[ ] Pure [x] Mix [ ] Solid [x] Liquid [ ] Gas [ ] EHS
PHYSICAL & HEALTH HAZARDS:
[ ] Fire [ ] Sudden Release of Pressure [ ] Reactivity [ ] Immediate (acute) [ ] Delayed (chronic)
INVENTORY:
[ ] Below Reporting Thresholds
Max Amt: 110000 pounds Max Daily Amt code: 10 (100,000 - 499,999 pounds)
Avg Amt: 60000 pounds Avg Daily Amt code: 08 (50,000 - 74,999 pounds)
Max quantity in largest container: 55000 pounds
No. of days on-site: 365
STORAGE LOCATIONS:
[ ] Confidential
Container Type: Tank inside building Pressure: Ambient pressure Temp: Ambient temperature Location: press building mezzanine Amount: 6000 gallons
Container Type: Tank inside building Pressure: Ambient pressure Temp: Ambient temperature Location: press building mezzanine Amount: 6000 pounds
CHEMICALS IN INVENTORY STATE FIELDS:
Connecticut requests the following:
Mode of Shipment:
[ ] Trucks [x] Tank Trucks [ ] Rail Car [ ] Tank Car [ ] Pipeline [ ] Barge [ ] Other (Specify)
Specify other:
Frequency of Shipment: 2 per Month
Maximum capacity per single vessel: 5000
Max Shipment Qty (lbs): 45000
Ave Qty (lbs): 45000
Physical State in Transit: Liquid
Comments (please provide both the primary and alternate routes of travel): Rt 8 to Rt 63 to Cherry Street, Naugatuck
Carrier: various -contract haulers

Facility Name: Naugatuck POTW

CHEM NAME: POTASSIUM PERMANGANATE
CAS: 7722-64-7
[x] Identical to previous year
[ ] TRADE SECRET
[x] Pure [ ] Mix [x] Solid [ ] Liquid [ ] Gas [ ] EHS
PHYSICAL & HEALTH HAZARDS:
[x] Fire [ ] Sudden Release of Pressure [x] Reactivity [x] Immediate (acute) [x] Delayed (chronic)
INVENTORY:
[ ] Below Reporting Thresholds
Max Amt: 1500 pounds Max Daily Amt code: 04 (1,000 - 4,999 pounds)
Avg Amt: 750 pounds Avg Daily Amt code: 03 (500 - 999 pounds)
Max quantity in largest container: 50 pounds
No. of days on-site: 365
STORAGE LOCATIONS:
[ ] Confidential
Container Type: Steel Drum Pressure: Ambient pressure Temp: Ambient temperature Location: Aeration Building Amount: 2000 pounds
Container Type: Steel Drum Pressure: Ambient pressure Temp: Ambient temperature Location: Aeration Chemical feeder building Amount: 500 pounds
Container Type: Steel Drum Pressure: Ambient pressure Temp: Ambient temperature Location: Sludge Storage chemical feder Amount: 500 pounds
CHEMICALS IN INVENTORY STATE FIELDS:
Connecticut requests the following:
Mode of Shipment:
[x] Trucks [ ] Tank Trucks [ ] Rail Car [ ] Tank Car [ ] Pipeline [ ] Barge [ ] Other (Specify)
Specify other:
Frequency of Shipment: 1 per Month
Maximum capacity per single vessel: 3000
Max Shipment Qty (lbs): 3000
Ave Qty (lbs): 3000
Physical State in Transit: Solid
Comments (please provide both the primary and alternate routes of travel): Rt 8 to Rt 63 to Cherry Street
Carrier: various - contract haulers

CHEM NAME: soda ash
CAS: 497-19-8
[x] Identical to previous year
[ ] TRADE SECRET
[ ] Pure [x] Mix [x] Solid [ ] Liquid [ ] Gas [ ] EHS
PHYSICAL & HEALTH HAZARDS:
[ ] Fire [ ] Sudden Release of Pressure [ ] Reactivity [x] Immediate (acute) [ ] Delayed (chronic)
INVENTORY:
[ ] Below Reporting Thresholds
Max Amt: 34000 pounds Max Daily Amt code: 07 (25,000 - 49,999 pounds)
Avg Amt: 5000 pounds Avg Daily Amt code: 05 (5,000 - 9,999 pounds)
Max quantity in largest container: 2500 pounds
No. of days on-site: 365
STORAGE LOCATIONS:
[ ] Confidential
Container Type: Bag Pressure: Ambient pressure Temp: Ambient temperature Location: garage at SE corner of plant

Facility Name: Naugatuck POTW

Amount: 10000 pounds
Container Type: Bag Pressure: Ambient pressure Temp: Ambient temperature Location: Abel pump room soda ash feeder Amount: 600 pounds
CHEMICALS IN INVENTORY STATE FIELDS:
Connecticut requests the following:
Mode of Shipment:
[x] Trucks [ ] Tank Trucks [ ] Rail Car [ ] Tank Car [ ] Pipeline [ ] Barge [ ] Other (Specify)
Specify other:
Frequency of Shipment: 1 per Month
Maximum capacity per single vessel: 45000
Max Shipment Qty (lbs): 45000
Ave Qty (lbs): 45000
Physical State in Transit: solid
Comments (please provide both the primary and alternate routes of travel): Rt 8 to Rt 63 to Cherry Street, Naugatuck
Carrier: various - contract haulers

CHEM NAME: SODIUM BISULFITE
CAS: 7631-90-5
[x] Identical to previous year
[ ] TRADE SECRET
[ ] Pure [x] Mix [ ] Solid [x] Liquid [ ] Gas [ ] EHS
PHYSICAL & HEALTH HAZARDS:
[ ] Fire [ ] Sudden Release of Pressure [x] Reactivity [x] Immediate (acute) [ ] Delayed (chronic)
INVENTORY:
[ ] Below Reporting Thresholds
Max Amt: 30000 pounds Max Daily Amt code: 07 (25,000 - 49,999 pounds)
Avg Amt: 15000 pounds Avg Daily Amt code: 06 (10,000 - 24,999 pounds)
Max quantity in largest container: 30000 pounds
No. of days on-site: 365
STORAGE LOCATIONS:
[ ] Confidential
Container Type: Tank inside building Pressure: Ambient pressure Temp: Ambient temperature Location: garage east side of plant Amount: 4000 gallons
CHEMICALS IN INVENTORY STATE FIELDS:
Connecticut requests the following:
Mode of Shipment:
[ ] Trucks [x] Tank Trucks [ ] Rail Car [ ] Tank Car [ ] Pipeline [ ] Barge [ ] Other (Specify)
Specify other:
Frequency of Shipment: 4 per Year
Maximum capacity per single vessel: 5000
Max Shipment Qty (lbs): 21000
Ave Qty (lbs): 21000
Physical State in Transit: Liquid
Comments (please provide both the primary and alternate routes of travel): Rt 8 to Rt 63 to Cherry Street, Naugatuck
Carrier: various - contract haulers

CHEM NAME: SODIUM HYPOCHLORITE
CAS: 7681-52-9
[x] Identical to previous year
[ ] TRADE SECRET
[ ] Pure [x] Mix [ ] Solid [x] Liquid [ ] Gas [ ] EHS

Facility Name: Naugatuck POTW

PHYSICAL & HEALTH HAZARDS:
[ ] Fire [ ] Sudden Release of Pressure [x] Reactivity [x] Immediate (acute) [ ] Delayed (chronic)
INVENTORY:
[ ] Below Reporting Thresholds
Max Amt: 60000 pounds Max Daily Amt code: 08 (50,000 - 74,999 pounds)
Avg Amt: 30000 pounds Avg Daily Amt code: 07 (25,000 - 49,999 pounds)
Max quantity in largest container: 60000 pounds
No. of days on-site: 365
STORAGE LOCATIONS:
[ ] Confidential
Container Type: Tank inside building Pressure: Ambient pressure Temp: Ambient temperature Location: in a garage in the middle of the plant Amount: 8000 gallons
CHEMICALS IN INVENTORY STATE FIELDS:
Connecticut requests the following:
Mode of Shipment:
[ ] Trucks [x] Tank Trucks [ ] Rail Car [ ] Tank Car [ ] Pipeline [ ] Barge [ ] Other (Specify)
Specify other:
Frequency of Shipment: 10 per Year
Maximum capacity per single vessel: 4500
Max Shipment Qty (lbs): 45000
Ave Qty (lbs): 45000
Physical State in Transit: Liquid
Comments (please provide both the primary and alternate routes of travel): Rt 8 to Rt 63 to Cherry Street, Naugatuck
Carrier: various - contract haulers

CHEM NAME: Ultra Low Sulfur Diesel
CAS: 68476-30-2
[x] Identical to previous year
[ ] TRADE SECRET
[ ] Pure [x] Mix [ ] Solid [x] Liquid [ ] Gas [ ] EHS
PHYSICAL & HEALTH HAZARDS:
[x] Fire [ ] Sudden Release of Pressure [ ] Reactivity [ ] Immediate (acute) [ ] Delayed (chronic)
INVENTORY:
[ ] Below Reporting Thresholds
Max Amt: 15,000 pounds Max Daily Amt code: 06 (10,000 - 24,999 pounds)
Avg Amt: 15000 pounds Avg Daily Amt code: 06 (10,000 - 24,999 pounds)
Max quantity in largest container: 15000 pounds
No. of days on-site: 365
STORAGE LOCATIONS:
[ ] Confidential
Container Type: Above ground tank Pressure: Ambient pressure Temp: Ambient temperature Location: Southwest of Incinerator Building Amount: 2000 gallons
Container Type: Above ground tank Pressure: Ambient pressure Temp: Ambient temperature Location: Generator room Amount: 275 gallons
CHEMICALS IN INVENTORY STATE FIELDS:
Connecticut requests the following:
Mode of Shipment:
[ ] Trucks [x] Tank Trucks [ ] Rail Car [ ] Tank Car [ ] Pipeline [ ] Barge [ ] Other (Specify)
Specify other:
Frequency of Shipment: 1 per Year
Maximum capacity per single vessel: 2000
Max Shipment Qty (lbs): 13000

Facility Name: Naugatuck POTW

Ave Qty (lbs): 13000
Physical State in Transit: Liquid
Comments (please provide both the primary and alternate routes of travel): Rt 8 to Rt 63 to Cherry Street, Naugatuck
Carrier: various - contract hauler

FACILITY STATE FIELDS:
No additional information is required by Connecticut

STATE / LOCAL FEES: None.

[x] I have attached a site plan
[ ] I have attached a list of site coordinate abbreviations
[ ] I have attached a description of dikes and other safeguard measures

ATTACHMENTS
Tier 2 2014 Site Plan.pdf

Certification (Read and sign after completing all sections)

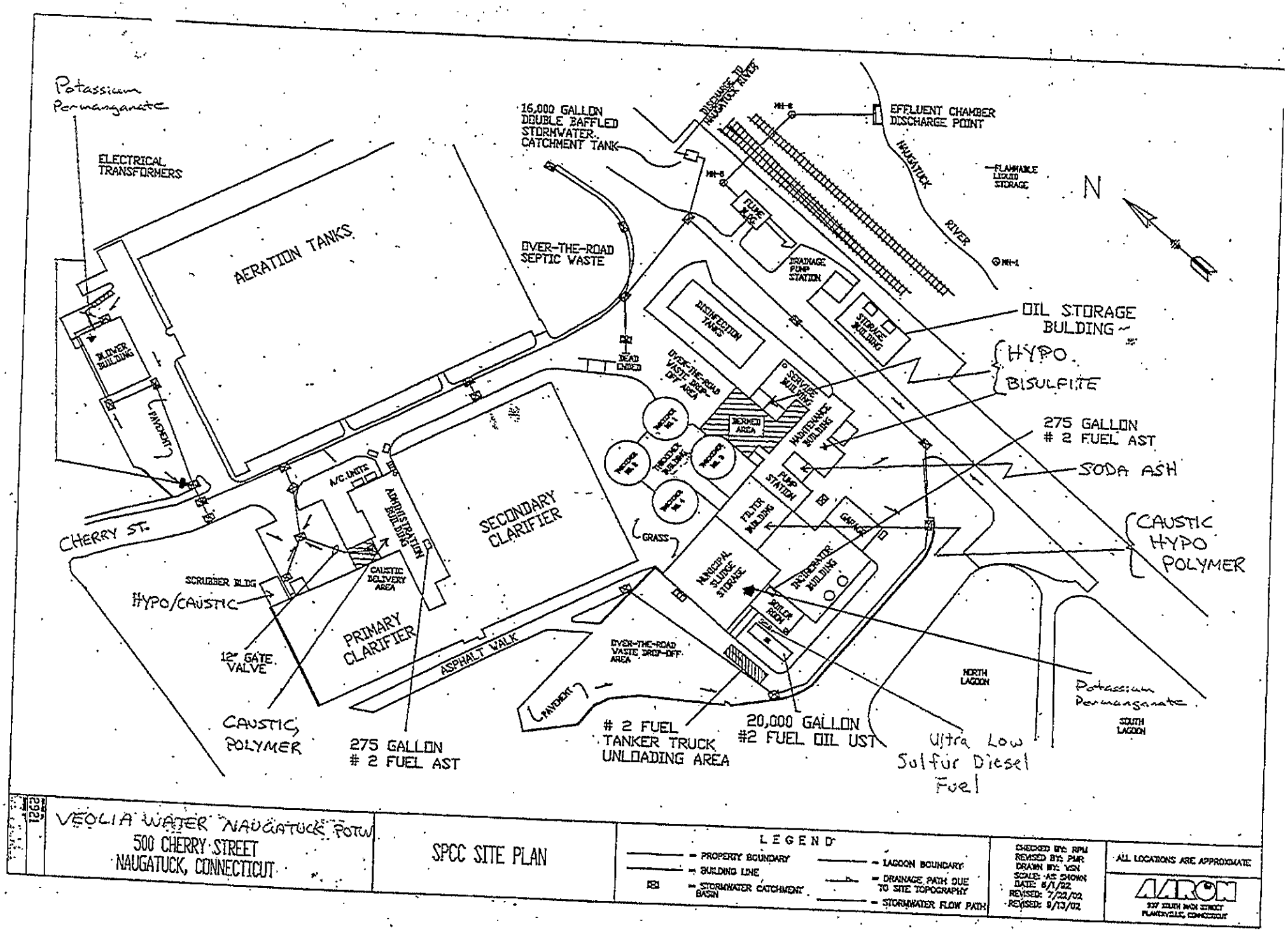
I certify under penalty of law that I have personally examined and am familiar with the information submitted in pages one through 8, and that based on my inquiry of those individuals responsible for obtaining this information, I believe that the submitted information is true, accurate, and complete.

John Batorski
Name and official title of owner/operator OR owner/operator's authorized representative

Signature

1/5/2015
Date signed

------END OF VALIDATION REPORT------
-------ALL FACILITIES PASS VALIDATION CHECK.------



2021	VEOLIA WATER NAUGATUCK POTW 500 CHERRY STREET NAUGATUCK, CONNECTICUT	SPCC SITE PLAN	LEGEND = PROPERTY BOUNDARY = BUILDING LINE = STORMWATER CATCHMENT BASIN = LAGOON BOUNDARY = DRAINAGE PATH DUE TO SITE TOPOGRAPHY = STORMWATER FLOW PATH
			CHECKED BY: RPM REVISED BY: PMR DRAWN BY: VSN SCALE: AS SHOWN DATE: 6/1/02 REVISED: 7/22/02 REVISED: 9/13/02
			ALL LOCATIONS ARE APPROXIMATE AARON 937 SOUTH MAIN STREET PLAINVILLE, CONNECTICUT

VEOLIA
WATER

Sent Certified R.R.R. mail #7009 2820 0004 1018 1283 on December 23, 2014

Water Technical Unit
US EPA
Marie J. McDonald
Environmental Protection Specialist
Mail-Code SMR-04
5 Post Office Square - Suite 100
Boston, MA 02109-3912

December 23, 2014

Re: 2014 Sludge DMR

Dear: Ms. Marie J. McDonald,

Enclosed please find the 2014 DMR report for the Borough of Naugatuck, CT. 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: 2014 Discharge Monitoring Report

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

NATIONAL POLLUTANT . ARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

Form ved
OMB No. 2040-0004

PERMITTEE NAME/ADDRESS *(Include Facility Name/Location if Different)*

NAME: NAUGATUCK TREATMENT CO
ADDRESS: 500 CHERRY ST
NAUGATUCK, CT 06770
FACILITY: NAUGATUCK TREATMENT CO
LOCATION: 500 CHERRY ST
NAUGATUCK, CT 06770
ATTN: ~~ROBERT LAMBALOT~~, PLANT ENGR
John Batorski, Plant Manager

PERMIT NUMBER	DISCHARGE NUMBER
CTL000002	SL1-A

MONITORING PERIOD MM/DD/YYYY	MM/DD/YYYY
01/01/2014	01/31/2014

DMR Mailing ZIP CODE: 06770
MINOR

SLUDGE INCINERATOR
Other

No Discharge ☐

PARAMETER		QUANTITY OR LOADING VALUE	QUANTITY OR LOADING VALUE	QUANTITY OR LOADING UNITS	QUALITY OR CONCENTRATION VALUE	QUALITY OR CONCENTRATION VALUE	QUALITY OR CONCENTRATION VALUE	QUALITY OR CONCENTRATION UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
Hydrocarbons, aromatic	SAMPLE MEASUREMENT	******	******	******	******		******				
39942 SL 0 Sludge	PERMIT REQUIREMENT	******	******	******	******	100 MO AVG	******	ppm		Continuous	RCORDR
Arsenic, sludge tot. dry wt [as As]	SAMPLE MEASUREMENT	******	******	******	******	******	2.0	mg/kg			
61521 SL 0 Sludge	PERMIT REQUIREMENT	******	******	******	******	******	38 DAILY MX	mg/kg		Monthly	GRAB
Lead, dry weight	SAMPLE MEASUREMENT	******	******	******	******	******	32.2	mg/kg			
78468 SL 0 Sludge	PERMIT REQUIREMENT	******	******	******	******	******	1539 DAILY MX	mg/kg		Monthly	GRAB
Nickel, dry weight	SAMPLE MEASUREMENT	******	******	******	******	******	15.4	mg/kg			
78469 SL 0 Sludge	PERMIT REQUIREMENT	******	******	******	******	******	83934 DAILY MX	mg/kg		Monthly	GRAB
Chromium, dry weight	SAMPLE MEASUREMENT	******	******	******	******	******	29.3	mg/kg			
78473 SL 0 Sludge	PERMIT REQUIREMENT	******	******	******	******	******	387 DAILY MX	mg/kg		Monthly	GRAB
Cadmium, sludge, tot dry weight [as Cd]	SAMPLE MEASUREMENT	******	******	******	******	******	1.38	mg/kg			
78476 SL 0 Sludge	PERMIT REQUIREMENT	******	******	******	******	******	172 DAILY MX	mg/kg		Monthly	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE
John Batorski Plant Manager TYPED OR PRINTED	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.	John Batorski SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	723-1433		12/23/14
			AREA Code 203	NUMBER	MM/DD/YYYY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

MONITORING FOR ARSENIC, CADMIUM, CHROMIUM, LEAD AND NICKEL REQUIRED ONCE PER MONTH. MONITORING FORBERYLLIUM AND MERCURY REQUIRED DURING FEBRUARY, APRIL, JUNE AUGUST, OCTOBER AND DECEMBER. REFER TO PERMITISSUED OCTOBER 14, 1994 FOR FURTHER REQUIREMENTS.

NATIONAL POLLUTANT ARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

Form vod
OMB No. 2040-0004

PERMITTEE NAME/ADDRESS *(Include Facility Name/Location if Different)*

NAME: NAUGATUCK TREATMENT CO
ADDRESS: 500 CHERRY ST
NAUGATUCK, CT 06770
FACILITY: NAUGATUCK TREATMENT CO
LOCATION: 500 CHERRY ST
NAUGATUCK, CT 06770
ATTN: ~~ROBERT LAMBALOT, PLANT ENGR~~ John Baturski Plant Manager

PERMIT NUMBER	DISCHARGE NUMBER
CTL000002	SL1-A

MONITORING PERIOD MM/DD/YYYY	MM/DD/YYYY
02/01/2014	02/28/2014

DMR Mailing ZIP CODE: 06770
MINOR

SLUDGE INCINERATOR
Other

No Discharge ☐

PARAMETER		QUANTITY OR LOADING VALUE	QUANTITY OR LOADING VALUE	QUANTITY OR LOADING UNITS	QUALITY OR CONCENTRATION VALUE	QUALITY OR CONCENTRATION VALUE	QUALITY OR CONCENTRATION VALUE	QUALITY OR CONCENTRATION UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
Hydrocarbons, aromatic	SAMPLE MEASUREMENT	******	******	******	******		******				
39942 SL 0 Sludge	PERMIT REQUIREMENT	******	******	******	******	100 MO AVG	******	ppm		Continuous	RCORDR
Arsenic, sludge tot. dry wt [as As]	SAMPLE MEASUREMENT	******	******	******	******	******	1.8	Mg Kg			
61521 SL 0 Sludge	PERMIT REQUIREMENT	******	******	******	******	******	38 DAILY MX	mg/kg		Monthly	GRAB
Beryllium, sludge, tot. dry wt [as Be]	SAMPLE MEASUREMENT	******	******	******	******	******	< 0.50	Mg Kg			
61524 SL 0 Sludge	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	mg/kg		Once Every 2 Months	GRAB
Lead, dry weight	SAMPLE MEASUREMENT	******	******	******	******	******	39.2	Mg Kg			
78468 SL 0 Sludge	PERMIT REQUIREMENT	******	******	******	******	******	1539 DAILY MX	mg/kg		Monthly	GRAB
Nickel, dry weight	SAMPLE MEASUREMENT	******	******	******	******	******	42.8	Mg Kg			
78469 SL 0 Sludge	PERMIT REQUIREMENT	******	******	******	******	******	83934 DAILY MX	mg/kg		Monthly	GRAB
Mercury, dry weight	SAMPLE MEASUREMENT	******	******	******	******	******	0.65	Mg Kg			
78471 SL 0 Sludge	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	mg/kg		Once Every 2 Months	GRAB
Chromium, dry weight	SAMPLE MEASUREMENT	******	******	******	******	******	59.8	Mg Kg			
78473 SL 0 Sludge	PERMIT REQUIREMENT	******	******	******	******	******	387 DAILY MX	mg/kg		Monthly	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE
John Baturski Plant Manager	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.	John Baturski	203-723-1433		12/23/2014
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA Code	NUMBER	MM/DD/YYYY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

MONITORING FOR ARSENIC, CADMIUM, CHROMIUM, LEAD AND NICKEL REQUIRED ONCE PER MONTH. MONITORING FORBERYLLIUM AND MERCURY REQUIRED DURING FEBRUARY, APRIL, JUNE AUGUST, OCTOBER AND DECEMBER. REFER TO PERMITISSUED OCTOBER 14, 1994 FOR FURTHER REQUIREMENTS.

NATIONAL POLLUTANT ARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

Form ved
OMB No. 2040-0004

PERMITTEE NAME/ADDRESS *(Include Facility Name/Location if Different)*

NAME: NAUGATUCK TREATMENT CO
ADDRESS: 500 CHERRY ST
NAUGATUCK, CT 06770
FACILITY: NAUGATUCK TREATMENT CO
LOCATION: 500 CHERRY ST
NAUGATUCK, CT 06770
ATTN: ~~ROBERT LAMBALOT, PLANT ENGR~~
John Batorski, Plant Manager

PERMIT NUMBER	DISCHARGE NUMBER
CTL000002	SL1-A

MONITORING PERIOD MM/DD/YYYY	MM/DD/YYYY
02/01/2014	02/28/2014

DMR Mailing ZIP CODE: 06770
MINOR

SLUDGE INCINERATOR
Other

No Discharge ☐

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
Cadmium, sludge, tot dry weight [as Cd]	SAMPLE MEASUREMENT	******	******	******	******	******	1.62	mg/kg			
78476 SL 0 Sludge	PERMIT REQUIREMENT	******	******	******	******	******	172 DAILY MX	mg/kg		Monthly	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE
John Batorski Plant Manager	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.	John Batorski	203 7231433		12/23/2014
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA Code	NUMBER	MM/DD/YYYY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

MONITORING FOR ARSENIC, CADMIUM, CHROMIUM, LEAD AND NICKEL REQUIRED ONCE PER MONTH. MONITORING FORBERYLLIUM AND MERCURY REQUIRED DURING FEBRUARY, APRIL, JUNE AUGUST, OCTOBER AND DECEMBER. REFER TO PERMITISSUED OCTOBER 14, 1994 FOR FURTHER REQUIREMENTS.

NATIONAL POLLUTANT I ARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

Form ved
OMB No. 2040-0004

PERMITTEE NAME/ADDRESS *(Include Facility Name/Location if Different)*

NAME: NAUGATUCK TREATMENT CO
ADDRESS: 500 CHERRY ST
NAUGATUCK, CT 06770
FACILITY: NAUGATUCK TREATMENT CO
LOCATION: 500 CHERRY ST
NAUGATUCK, CT 06770

ATTN: ~~ROBERT LAMBALOT, PLANT ENGR~~ John Batorski Plant Manager

CTL000002	SL1-A
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD	
MM/DD/YYYY	MM/DD/YYYY
03/01/2014	03/31/2014

DMR Mailing ZIP CODE: 06770
MINOR

SLUDGE INCINERATOR
Other

No Discharge ☐

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
Beryllium, total recoverable [as Be]	SAMPLE MEASUREMENT	******	< 0.40	mg/kg	******	******	******	******			
00998 SL 0 Sludge	PERMIT REQUIREMENT	******	10 DAILY MX	g/d	******	******	******	******		Quarterly	CALCTD
Hydrocarbons, aromatic	SAMPLE MEASUREMENT	******	******	******	******		******				
39942 SL 0 Sludge	PERMIT REQUIREMENT	******	******	******	******	100 MO AVG	******	ppm		Continuous	RCORDR
Arsenic, sludge tot. dry wt [as As]	SAMPLE MEASUREMENT	******	******	******	******	******	1.3	MG/KG			
61521 SL 0 Sludge	PERMIT REQUIREMENT	******	******	******	******	******	38 DAILY MX	mg/kg		Monthly	GRAB
Mercury, total recoverable	SAMPLE MEASUREMENT	******	0.43	mg/kg	******	******	******	******			
71901 SL 0 Sludge	PERMIT REQUIREMENT	******	3200 DAILY MX	g/d	******	******	******	******		Quarterly	CALCTD
Lead, dry weight	SAMPLE MEASUREMENT	******	******	******	******	******	29.0	MG/KG			
78468 SL 0 Sludge	PERMIT REQUIREMENT	******	******	******	******	******	1539 DAILY MX	mg/kg		Monthly	GRAB
Nickel, dry weight	SAMPLE MEASUREMENT	******	******	******	******	******	19.3	MG/KG			
78469 SL 0 Sludge	PERMIT REQUIREMENT	******	******	******	******	******	83934 DAILY MX	mg/kg		Monthly	GRAB
Chromium, dry weight	SAMPLE MEASUREMENT	******	******	******	******	******	27.9	MG/KG			
78473 SL 0 Sludge	PERMIT REQUIREMENT	******	******	******	******	******	387 DAILY MX	mg/kg		Monthly	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE
John Batorski Plant Manager	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.	John Batorski	203 723 1433		12/23/2014
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA Code	NUMBER	MM/DD/YYYY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

MONITORING FOR ARSENIC, CADMIUM, CHROMIUM, LEAD AND NICKEL REQUIRED ONCE PER MONTH. MONITORING FORBERYLLIUM AND MERCURY REQUIRED DURING FEBRUARY, APRIL, JUNE AUGUST, OCTOBER AND DECEMBER. REFER TO PERMITISSUED OCTOBER 14, 1994 FOR FURTHER REQUIREMENTS.

NATIONAL POLLUTANT [ARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

Form ved
OMB No. 2040-0004

PERMITTEE NAME/ADDRESS *(Include Facility Name/Location if Different)*

NAME: NAUGATUCK TREATMENT CO
ADDRESS: 500 CHERRY ST
NAUGATUCK, CT 06770
FACILITY: NAUGATUCK TREATMENT CO
LOCATION: 500 CHERRY ST
NAUGATUCK, CT 06770
ATTN: ~~ROBERT LAMBALOT~~, PLANT ENGR
John Batarda: Plant Manager

PERMIT NUMBER	DISCHARGE NUMBER
CTL000002	SL1-A

MONITORING PERIOD	
MM/DD/YYYY	MM/DD/YYYY
03/01/2014	03/31/2014

DMR Mailing ZIP CODE: 06770
MINOR

SLUDGE INCINERATOR
Other

No Discharge ☐

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
Cadmium, sludge, tot dry weight [as Cd]	SAMPLE MEASUREMENT	******	******	******	******	******	1.05	mg/Kg			
78476 SL 0 Sludge	PERMIT REQUIREMENT	******	******	******	******	******	172 DAILY MX	mg/kg		Monthly	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE
John Batarda: Plant Manager	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.	John Batarda	203 723 1433		12/23/2014
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA Code	NUMBER	MM/DD/YYYY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

MONITORING FOR ARSENIC, CADMIUM, CHROMIUM, LEAD AND NICKEL REQUIRED ONCE PER MONTH. MONITORING FORBERYLLIUM AND MERCURY REQUIRED DURING FEBRUARY, APRIL, JUNE AUGUST, OCTOBER AND DECEMBER. REFER TO PERMITISSUED OCTOBER 14, 1994 FOR FURTHER REQUIREMENTS.

NATIONAL POLLUTANT I ARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

Form ved
OMB No. 2040-0004

PERMITTEE NAME/ADDRESS *(Include Facility Name/Location if Different)*

NAME: NAUGATUCK TREATMENT CO
ADDRESS: 500 CHERRY ST
NAUGATUCK, CT 06770
FACILITY: NAUGATUCK TREATMENT CO
LOCATION: 500 CHERRY ST
NAUGATUCK, CT 06770
ATTN: ~~ROBERT LAMBALOT, PLANT ENGR~~
John Batorski Plant Manager

CTL000002	SL1-A
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD	
MM/DD/YYYY	MM/DD/YYYY
04/01/2014	04/30/2014

DMR Mailing ZIP CODE: 06770
MINOR

SLUDGE INCINERATOR
Other

No Discharge ☐

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
Hydrocarbons, aromatic	SAMPLE MEASUREMENT	******	******	******	******		******				
39942 SL 0 Sludge	PERMIT REQUIREMENT	******	******	******	******	100. MO.AVG	******	ppm		Continuous	RCORDR
Arsenic, sludge tot. dry wt [as As]	SAMPLE MEASUREMENT	******	******	******	******	******	2.8	mg/kg			
61521 SL 0 Sludge	PERMIT REQUIREMENT	******	******	******	******	******	38 DAILY MX	mg/kg		Monthly	GRAB
Beryllium, sludge, tot. dry wt [as Be]	SAMPLE MEASUREMENT	******	******	******	******	******	< 0.46	mg/kg			
61524 SL 0 Sludge	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	mg/kg		Once Every 2 Months	GRAB
Lead, dry weight	SAMPLE MEASUREMENT	******	******	******	******	******	40.2	mg/kg			
78468 SL 0 Sludge	PERMIT REQUIREMENT	******	******	******	******	******	1539 DAILY MX	mg/kg		Monthly	GRAB
Nickel, dry weight	SAMPLE MEASUREMENT	******	******	******	******	******	26.1	mg/kg			
78469 SL 0 Sludge	PERMIT REQUIREMENT	******	******	******	******	******	83934 DAILY MX	mg/kg		Monthly	GRAB
Mercury, dry weight	SAMPLE MEASUREMENT	******	******	******	******	******	0.64	mg/kg			
78471 SL 0 Sludge	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	mg/kg		Once Every 2 Months	GRAB
Chromium, dry weight	SAMPLE MEASUREMENT	******	******	******	******	******	40.7	mg/kg			
78473 SL 0 Sludge	PERMIT REQUIREMENT	******	******	******	******	******	387 DAILY MX	mg/kg		Monthly	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE
John Batorski Plant Manager TYPED OR PRINTED	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.	John Batorski SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	203 723 1433 AREA Code	NUMBER	12/23/2014 MM/DD/YYYY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

MONITORING FOR ARSENIC, CADMIUM, CHROMIUM, LEAD AND NICKEL REQUIRED ONCE PER MONTH. MONITORING FORBERYLLIUM AND MERCURY REQUIRED DURING FEBRUARY, APRIL, JUNE AUGUST, OCTOBER AND DECEMBER. REFER TO PERMITISSUED OCTOBER 14, 1994 FOR FURTHER REQUIREMENTS.

NATIONAL POLLUTANT D ARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

Form ved
OMB No. 2040-0004

PERMITTEE NAME/ADDRESS *(Include Facility Name/Location if Different)*

NAME: NAUGATUCK TREATMENT CO
ADDRESS: 500 CHERRY ST
NAUGATUCK, CT 06770
FACILITY: NAUGATUCK TREATMENT CO
LOCATION: 500 CHERRY ST
NAUGATUCK, CT 06770
ATTN: ~~ROBERT LAMBALOT, PLANT ENGR~~ John Batarski Plant Manager

CTL000002	SL1-A
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD	
MM/DD/YYYY	MM/DD/YYYY
04/01/2014	04/30/2014

DMR Mailing ZIP CODE: 06770
MINOR

SLUDGE INCINERATOR
Other

No Discharge ☐

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
Cadmium, sludge, tot dry weight [as Cd]	SAMPLE MEASUREMENT	******	******	******	******	******	2.00	mg/kg			
78476 SL 0 Sludge	PERMIT REQUIREMENT	******	******	******	******	******	172 DAILY MX	mg/kg		Monthly	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE
John Batarski Plant Manager	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.	John Batarski	203 723 1432		12/23/2014
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA Code	NUMBER	MM/DD/YYYY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

MONITORING FOR ARSENIC, CADMIUM, CHROMIUM, LEAD AND NICKEL REQUIRED ONCE PER MONTH. MONITORING FORBERYLLIUM AND MERCURY REQUIRED DURING FEBRUARY, APRIL, JUNE AUGUST, OCTOBER AND DECEMBER. REFER TO PERMITISSUED OCTOBER 14, 1994 FOR FURTHER REQUIREMENTS.

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

Form Approved
OMB No. 2040-0004

PERMITTEE NAME/ADDRESS *(Include Facility Name/Location if Different)*

NAME: NAUGATUCK TREATMENT CO
ADDRESS: 500 CHERRY ST
NAUGATUCK, CT 06770
FACILITY: NAUGATUCK TREATMENT CO
LOCATION: 500 CHERRY ST
NAUGATUCK, CT 06770

ATTN: ~~ROBERT LAMBALOT, PLANT ENGR~~ John Baturski Plant Manager

PERMIT NUMBER	DISCHARGE NUMBER
CTL000002	SL1-A

MONITORING PERIOD MM/DD/YYYY	MM/DD/YYYY
05/01/2014	05/31/2014

DMR Mailing ZIP CODE: 06770
MINOR
SLUDGE INCINERATOR
Other
No Discharge ☐

PARAMETER		QUANTITY OR LOADING VALUE	QUANTITY OR LOADING VALUE	QUANTITY OR LOADING UNITS	QUALITY OR CONCENTRATION VALUE	QUALITY OR CONCENTRATION VALUE	QUALITY OR CONCENTRATION VALUE	QUALITY OR CONCENTRATION UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
Hydrocarbons, aromatic	SAMPLE MEASUREMENT	******	******	******	******		******				
39942 SL 0 Sludge	PERMIT REQUIREMENT	******	******	******	******	100 MO AVG	******	ppm		Continuous	RCORDR
Arsenic, sludge tot. dry wt [as As]	SAMPLE MEASUREMENT	******	******	******	******	******	3.1				
61521 SL 0 Sludge	PERMIT REQUIREMENT	******	******	******	******	******	38 DAILY MX	mg/kg		Monthly	GRAB
Lead, dry weight	SAMPLE MEASUREMENT	******	******	******	******	******	58.4				
78468 SL 0 Sludge	PERMIT REQUIREMENT	******	******	******	******	******	1539 DAILY MX	mg/kg		Monthly	GRAB
Nickel, dry weight	SAMPLE MEASUREMENT	******	******	******	******	******	34.6				
78469 SL 0 Sludge	PERMIT REQUIREMENT	******	******	******	******	******	83934 DAILY MX	mg/kg		Monthly	GRAB
Chromium, dry weight	SAMPLE MEASUREMENT	******	******	******	******	******	39.4				
78473 SL 0 Sludge	PERMIT REQUIREMENT	******	******	******	******	******	387 DAILY MX	mg/kg		Monthly	GRAB
Cadmium, sludge, tot dry weight [as Cd]	SAMPLE MEASUREMENT	******	******	******	******	******	2.36			-	
78476 SL 0 Sludge	PERMIT REQUIREMENT	******	******	******	******	******	172 DAILY MX	mg/kg		Monthly	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE
John Baturski Plant Manager	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.	John Baturski SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	203 723	1433	12/23/2014
TYPED OR PRINTED			AREA Code	NUMBER	MM/DD/YYYY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

MONITORING FOR ARSENIC, CADMIUM, CHROMIUM, LEAD AND NICKEL REQUIRED ONCE PER MONTH. MONITORING FORBERYLLIUM AND MERCURY REQUIRED DURING FEBRUARY, APRIL, JUNE AUGUST, OCTOBER AND DECEMBER. REFER TO PERMITISSUED OCTOBER 14, 1994 FOR FURTHER REQUIREMENTS.

NATIONAL POLLUTANT I ARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

Form ved
OMB No. 2040-0004

PERMITTEE NAME/ADDRESS *(Include Facility Name/Location if Different)*

NAME: NAUGATUCK TREATMENT CO
ADDRESS: 500 CHERRY ST
NAUGATUCK, CT 06770
FACILITY: NAUGATUCK TREATMENT CO
LOCATION: 500 CHERRY ST
NAUGATUCK, CT 06770

ATTN: ~~ROBERT LAMBALOT, PLANT ENGR~~
John Batarski Plant Manager

CTL000002	SL1-A
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD	
MM/DD/YYYY	MM/DD/YYYY
06/01/2014	06/30/2014

DMR Mailing ZIP CODE: 06770
MINOR

SLUDGE INCINERATOR
Other

No Discharge ☐

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
Beryllium, total recoverable [as Be]	SAMPLE MEASUREMENT	******	<0.38	mg/kg	******	******	******	******			
00998 SL 0 Sludge	PERMIT REQUIREMENT	******	10 DAILY MX	g/d	******	******	******	******		Quarterly	CALCTD
Hydrocarbons, aromatic	SAMPLE MEASUREMENT	******	******	******	******		******				
39942 SL 0 Sludge	PERMIT REQUIREMENT	******	******	******	******	100 MO AVG	******	ppm		Continuous	RCORDR
Arsenic, sludge tot. dry wt [as As]	SAMPLE MEASUREMENT	******	******	******	******	******	2.4	mg/kg			
61521 SL 0 Sludge	PERMIT REQUIREMENT	******	******	******	******	******	38 DAILY MX	mg/kg		Monthly	GRAB
Beryllium, sludge, tot. dry wt [as Be]	SAMPLE MEASUREMENT	******	******	******	******	******	<0.38	mg/kg			
61524 SL 0 Sludge	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	mg/kg		Once Every 2 Months	GRAB
Mercury, total recoverable	SAMPLE MEASUREMENT	******	0.56	mg/kg	******	******	******	******			
71901 SL 0 Sludge	PERMIT REQUIREMENT	******	3200 DAILY MX	g/d	******	******	******	******		Quarterly	CALCTD
Lead, dry weight	SAMPLE MEASUREMENT	******	******	******	******	******	46.9	mg/kg			
78468 SL 0 Sludge	PERMIT REQUIREMENT	******	******	******	******	******	1539 DAILY MX	mg/kg		Monthly	GRAB
Nickel, dry weight	SAMPLE MEASUREMENT	******	******	******	******	******	20.8	mg/kg			
78469 SL 0 Sludge	PERMIT REQUIREMENT	******	******	******	******	******	83934 DAILY MX	mg/kg		Monthly	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE
John Batarski Plant Manager	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.	John Batarski	203 723 1433		12/23/2014
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA Code	NUMBER	MM/DD/YYYY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

MONITORING FOR ARSENIC, CADMIUM, CHROMIUM, LEAD AND NICKEL REQUIRED ONCE PER MONTH. MONITORING FORBERYLLIUM AND MERCURY REQUIRED DURING FEBRUARY, APRIL, JUNE AUGUST, OCTOBER AND DECEMBER. REFER TO PERMITISSUED OCTOBER 14, 1994 FOR FURTHER REQUIREMENTS.

NATIONAL POLLUTANT ARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

Form ved
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PERMITTEE NAME/ADDRESS *(Include Facility Name/Location if Different)*

NAME: NAUGATUCK TREATMENT CO.
ADDRESS: 500 CHERRY ST
NAUGATUCK, CT 06770
FACILITY: NAUGATUCK TREATMENT CO
LOCATION: 500 CHERRY ST
NAUGATUCK, CT 06770

ATTN: ~~ROBERT LAMBALOT, PLANT ENGR~~
John Bartorski Plant Manager

CTL000002	SL1-A
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD	
MM/DD/YYYY	MM/DD/YYYY
06/01/2014	06/30/2014

DMR Mailing ZIP CODE: 06770
MINOR

SLUDGE INCINERATOR
Other

No Discharge ☐

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
Mercury, dry weight	SAMPLE MEASUREMENT	******	******	******	******	******	0.56	mg/kg			
78471 SL 0 Sludge	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	mg/kg		Once Every 2 Months	GRAB
Chromium, dry weight	SAMPLE MEASUREMENT	******	******	******	******	******	27.5	mg/kg			
78473 SL 0 Sludge	PERMIT REQUIREMENT	******	******	******	******	******	387 DAILY MX	mg/kg		Monthly	GRAB
Cadmium, sludge, tot dry weight [as Cd]	SAMPLE MEASUREMENT	******	******	******	******	******	1.69	mg/kg			
78476 SL 0 Sludge	PERMIT REQUIREMENT	******	******	******	******	******	172 DAILY MX	mg/kg		Monthly	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE
John Bartorski Plant Manager TYPED OR PRINTED	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.	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	203 723 1433 AREA Code	NUMBER	12/23/2014 MM/DD/YYYY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

MONITORING FOR ARSENIC, CADMIUM, CHROMIUM, LEAD AND NICKEL REQUIRED ONCE PER MONTH. MONITORING FORBERYLLIUM AND MERCURY REQUIRED DURING FEBRUARY, APRIL, JUNE AUGUST, OCTOBER AND DECEMBER. REFER TO PERMITISSUED OCTOBER 14, 1994 FOR FURTHER REQUIREMENTS.

NATIONAL POLLUTANT D. ARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

Form. ed

OMB No. 2040-0004

PERMITTEE NAME/ADDRESS *(Include Facility Name/Location if Different)*

NAME: NAUGATUCK TREATMENT CO

ADDRESS: 500 CHERRY ST
NAUGATUCK, CT 06770

FACILITY: NAUGATUCK TREATMENT CO

LOCATION: 500 CHERRY ST
NAUGATUCK, CT 06770

ATTN: ~~ROBERT LAMBALOT, PLANT ENGR~~
John Butowski Plant Manager

PERMIT NUMBER	DISCHARGE NUMBER
CTL000002	SL1-A

MONITORING PERIOD	
MM/DD/YYYY	MM/DD/YYYY
07/01/2014	07/31/2014

DMR Mailing ZIP CODE: 06770

MINOR

SLUDGE INCINERATOR

Other

No Discharge ☐

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
Hydrocarbons, aromatic	SAMPLE MEASUREMENT	******	******	******	******		******				
39942 SL 0 Sludge	PERMIT REQUIREMENT	******	******	******	******	100 MO AVG	******	ppm		Continuous	RCORDR
Arsenic, sludge tot. dry wt [as As]	SAMPLE MEASUREMENT	******	******	******	******	******	2.2	mg/kg			
61521 SL 0 Sludge	PERMIT REQUIREMENT	******	******	******	******	******	38 DAILY MX	mg/kg		Monthly	GRAB
Lead, dry weight	SAMPLE MEASUREMENT	******	******	******	******	******	69.3	mg/kg			
78468 SL 0 Sludge	PERMIT REQUIREMENT	******	******	******	******	******	1539 DAILY MX	mg/kg		Monthly	GRAB
Nickel, dry weight	SAMPLE MEASUREMENT	******	******	******	******	******	18.9	mg/kg			
78469 SL 0 Sludge	PERMIT REQUIREMENT	******	******	******	******	******	83934 DAILY MX	mg/kg		Monthly	GRAB
Chromium, dry weight	SAMPLE MEASUREMENT	******	******	******	******	******	33.5	mg/kg			
78473 SL 0 Sludge	PERMIT REQUIREMENT	******	******	******	******	******	387 DAILY MX	mg/kg		Monthly	GRAB
Cadmium, sludge, tot dry weight [as Cd]	SAMPLE MEASUREMENT	******	******	******	******	******	1.43	mg/kg			
78476 SL 0 Sludge	PERMIT REQUIREMENT	******	******	******	******	******	172 DAILY MX	mg/kg		Monthly	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE
John Butowski Plant Manager	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.	John Butowski SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	203 723	1433	12/23/2014
TYPED OR PRINTED			AREA Code	NUMBER	MM/DD/YYYY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

MONITORING FOR ARSENIC, CADMIUM, CHROMIUM, LEAD AND NICKEL REQUIRED ONCE PER MONTH. MONITORING FORBERYLLIUM AND MERCURY REQUIRED DURING FEBRUARY, APRIL, JUNE AUGUST, OCTOBER AND DECEMBER. REFER TO PERMITISSUED OCTOBER 14, 1994 FOR FURTHER REQUIREMENTS.

NATIONAL POLLUTANT D ARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

Form ed
OMB No. 2040-0004

PERMITTEE NAME/ADDRESS *(Include Facility Name/Location if Different)*

NAME: NAUGATUCK TREATMENT CO
ADDRESS: 500 CHERRY ST
NAUGATUCK, CT 06770
FACILITY: NAUGATUCK TREATMENT CO
LOCATION: 500 CHERRY ST
NAUGATUCK, CT 06770

ATTN: ~~ROBERT LAMBALOT, PLANT ENGR~~ John Batarski Plant Manager

PERMIT NUMBER	DISCHARGE NUMBER
CTL000002	SL1-A

MONITORING PERIOD MM/DD/YYYY	MM/DD/YYYY
08/01/2014	08/31/2014

DMR Mailing ZIP CODE: 06770
MINOR

SLUDGE INCINERATOR
Other

No Discharge ☐

PARAMETER		QUANTITY OR LOADING VALUE	QUANTITY OR LOADING VALUE	QUANTITY OR LOADING UNITS	QUALITY OR CONCENTRATION VALUE	QUALITY OR CONCENTRATION VALUE	QUALITY OR CONCENTRATION VALUE	QUALITY OR CONCENTRATION UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
Hydrocarbons, aromatic	SAMPLE MEASUREMENT	******	******	******	******		******				
39942 SL 0 Sludge	PERMIT REQUIREMENT	******	******	******	******	100 MO AVG	******	ppm		Continuous	RCORDR
Arsenic, sludge tot. dry wt [as As]	SAMPLE MEASUREMENT	******	******	******	******	******	0.8	mg/kg			
61521 SL 0 Sludge	PERMIT REQUIREMENT	******	******	******	******	******	38 DAILY MX	mg/kg		Monthly	GRAB
Beryllium, sludge, tot. dry wt [as Be]	SAMPLE MEASUREMENT	******	******	******	******	******	< 0.35	mg/kg			
61524 SL 0 Sludge	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	mg/kg		Once Every 2 Months	GRAB
Lead, dry weight	SAMPLE MEASUREMENT	******	******	******	******	******	69.5	mg/kg			
78468 SL 0 Sludge	PERMIT REQUIREMENT	******	******	******	******	******	1539 DAILY MX	mg/kg		Monthly	GRAB
Nickel, dry weight	SAMPLE MEASUREMENT	******	******	******	******	******	16.7	mg/kg			
78469 SL 0 Sludge	PERMIT REQUIREMENT	******	******	******	******	******	83934 DAILY MX	mg/kg		Monthly	GRAB
Mercury, dry weight	SAMPLE MEASUREMENT	******	******	******	******	******	1.27	mg/kg			
78471 SL 0 Sludge	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	mg/kg		Once Every 2 Months	GRAB
Chromium, dry weight	SAMPLE MEASUREMENT	******	******	******	******	******	24.3	mg/kg			
78473 SL 0 Sludge	PERMIT REQUIREMENT	******	******	******	******	******	387 DAILY MX	mg/kg		Monthly	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE
John Batarski Plant Manager	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.	John Bat	203 723	1433	12/23/2014
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA Code	NUMBER	MM/DD/YYYY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

MONITORING FOR ARSENIC, CADMIUM, CHROMIUM, LEAD AND NICKEL REQUIRED ONCE PER MONTH. MONITORING FORBERYLLIUM AND MERCURY REQUIRED DURING FEBRUARY, APRIL, JUNE AUGUST, OCTOBER AND DECEMBER. REFER TO PERMITISSUED OCTOBER 14, 1994 FOR FURTHER REQUIREMENTS.

NATIONAL POLLUTANT D \RGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

Form ed
OMB No. 2040-0004

PERMITTEE NAME/ADDRESS *(Include Facility Name/Location If Different)*

NAME: NAUGATUCK TREATMENT CO
ADDRESS: 500 CHERRY ST
NAUGATUCK, CT 06770
FACILITY: NAUGATUCK TREATMENT CO
LOCATION: 500 CHERRY ST
NAUGATUCK, CT 06770

ATTN: ~~ROBERT LAMBALOT, PLANT ENGR~~
John Batorski Plant Manager

CTL000002	SL1-A
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD	
MM/DD/YYYY	MM/DD/YYYY
08/01/2014	08/31/2014

DMR Mailing ZIP CODE: 06770
MINOR

SLUDGE INCINERATOR
Other

No Discharge ☐

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
Cadmium, sludge, tot dry weight [as Cd]	SAMPLE MEASUREMENT	******	******	******	******	******	1.51	mg/kg			
78476 SL 0 Sludge	PERMIT REQUIREMENT	******	******	******	******	******	172 DAILY MX	mg/kg		Monthly	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE
John Batorski Plant Manager	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.	John Batorski	203 723	1433	12/23/2014
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA Code	NUMBER	MM/DD/YYYY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

MONITORING FOR ARSENIC, CADMIUM, CHROMIUM, LEAD AND NICKEL REQUIRED ONCE PER MONTH. MONITORING FORBERYLLIUM AND MERCURY REQUIRED DURING FEBRUARY, APRIL, JUNE AUGUST, OCTOBER AND DECEMBER. REFER TO PERMITISSUED OCTOBER 14, 1994 FOR FURTHER REQUIREMENTS.

NATIONAL POLLUTANT D RGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

Form bd
OMB No. 2040-0004

PERMITTEE NAME/ADDRESS *(Include Facility Name/Location if Different)*

NAME: NAUGATUCK TREATMENT CO
ADDRESS: 500 CHERRY ST
NAUGATUCK, CT 06770
FACILITY: NAUGATUCK TREATMENT CO
LOCATION: 500 CHERRY ST
NAUGATUCK, CT 06770

ATTN: ~~ROBERT LAMBALOT, PLANT ENGR~~
John Batorski Plant Manager

PERMIT NUMBER	DISCHARGE NUMBER
CTL000002	SL1-A

MONITORING PERIOD MM/DD/YYYY	MM/DD/YYYY
09/01/2014	09/30/2014

DMR Mailing ZIP CODE: 06770
MINOR

SLUDGE INCINERATOR
Other

No Discharge ☐

PARAMETER		QUANTITY OR LOADING VALUE	QUANTITY OR LOADING VALUE	QUANTITY OR LOADING UNITS	QUALITY OR CONCENTRATION VALUE	QUALITY OR CONCENTRATION VALUE	QUALITY OR CONCENTRATION VALUE	QUALITY OR CONCENTRATION UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
Beryllium, total recoverable [as Be]	SAMPLE MEASUREMENT	******	< 0.44	mg/kg	******	******	******	******			
00998 SL 0 Sludge	PERMIT REQUIREMENT	******	10 DAILY MX	g/d	******	******	******	******		Quarterly	CALCTD
Hydrocarbons, aromatic	SAMPLE MEASUREMENT	******	******	******	******		******				
39942 SL 0 Sludge	PERMIT REQUIREMENT	******	******	******	******	100 MO AVG	******	ppm		Continuous	RCORDR
Arsenic, sludge tot. dry wt [as As]	SAMPLE MEASUREMENT	******	******	******	******	******	2.5	Mg/kg			
61521 SL 0 Sludge	PERMIT REQUIREMENT	******	******	******	******	******	38 DAILY MX	mg/kg		Monthly	GRAB
Mercury, total recoverable	SAMPLE MEASUREMENT	******	1.11	mg/kg	******	******	1.11	mg/kg			
71901 SL 0 Sludge	PERMIT REQUIREMENT	******	3200 DAILY MX	g/d	******	******	******	******		Quarterly	CALCTD
Lead, dry weight	SAMPLE MEASUREMENT	******	******	******	******	******	50.2	mg/kg			
78468 SL 0 Sludge	PERMIT REQUIREMENT	******	******	******	******	******	1539 DAILY MX	mg/kg		Monthly	GRAB
Nickel, dry weight	SAMPLE MEASUREMENT	******	******	******	******	******	34.1	mg/kg			
78469 SL 0 Sludge	PERMIT REQUIREMENT	******	******	******	******	******	83934 DAILY MX	mg/kg		Monthly	GRAB
Chromium, dry weight	SAMPLE MEASUREMENT	******	******	******	******	******	41.1	mg/kg			
78473 SL 0 Sludge	PERMIT REQUIREMENT	******	******	******	******	******	387 DAILY MX	mg/kg		Monthly	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE
John Batorski Plant Manager	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.	John Batorski SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	203 723 1433		12/23/2014
TYPED OR PRINTED			AREA Code	NUMBER	MM/DD/YYYY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

MONITORING FOR ARSENIC, CADMIUM, CHROMIUM, LEAD AND NICKEL REQUIRED ONCE PER MONTH. MONITORING FORBERYLLIUM AND MERCURY REQUIRED DURING FEBRUARY, APRIL, JUNE AUGUST, OCTOBER AND DECEMBER. REFER TO PERMITISSUED OCTOBER 14, 1994 FOR FURTHER REQUIREMENTS.

NATIONAL POLLUTANT D ARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

Form ed

OMB No. 2040-0004

PERMITTEE NAME/ADDRESS *(Include Facility Name/Location If Different)*

NAME: NAUGATUCK TREATMENT CO

ADDRESS: 500 CHERRY ST
NAUGATUCK, CT 06770

FACILITY: NAUGATUCK TREATMENT CO

LOCATION: 500 CHERRY ST
NAUGATUCK, CT 06770

ATTN: ~~ROBERT LAMBALOT, PLANT ENGR~~
John Batorski Plant Manager

PERMIT NUMBER	DISCHARGE NUMBER
CTL000002	SL1-A

MONITORING PERIOD	
MM/DD/YYYY	MM/DD/YYYY
09/01/2014	09/30/2014

DMR Mailing ZIP CODE: 06770

MINOR

SLUDGE INCINERATOR

Other

No Discharge ☐

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
Cadmium, sludge, tot dry weight [as Cd]	SAMPLE MEASUREMENT	******	******	******	******	******	2.24				
78476 SL 0 Sludge	PERMIT REQUIREMENT	******	******	******	******	******	172 DAILY MX	mg/kg		Monthly	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE
John Batorski Plant Manager	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.	John Batorski	203 723 1433		12/23/2014
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA Code	NUMBER	MM/DD/YYYY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

MONITORING FOR ARSENIC, CADMIUM, CHROMIUM, LEAD AND NICKEL REQUIRED ONCE PER MONTH. MONITORING FORBERYLLIUM AND MERCURY REQUIRED DURING FEBRUARY, APRIL, JUNE AUGUST, OCTOBER AND DECEMBER. REFER TO PERMITISSUED OCTOBER 14, 1994 FOR FURTHER REQUIREMENTS.

NATIONAL POLLUTANT D .RGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

Form) pd
OMB No. 2040-0004

PERMITTEE NAME/ADDRESS *(Include Facility Name/Location if Different)*

NAME: NAUGATUCK TREATMENT CO
ADDRESS: 500 CHERRY ST
NAUGATUCK, CT 06770
FACILITY: NAUGATUCK TREATMENT CO
LOCATION: 500 CHERRY ST
NAUGATUCK, CT 06770

ATTN: ~~ROBERT LAMBALOT, PLANT ENGR~~
John Batorski Plant Manager

CTL000002	SL1-A
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD	
MM/DD/YYYY	MM/DD/YYYY
10/01/2014	10/31/2014

DMR Mailing ZIP CODE: 06770
MINOR

SLUDGE INCINERATOR
Other

No Discharge ☐

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
Hydrocarbons, aromatic	SAMPLE MEASUREMENT	******	******	******	******		******				
39942 SL 0 Sludge	PERMIT REQUIREMENT	******	******	******	******	100 MO AVG	******	ppm		Continuous	RCORDR
Arsenic, sludge tot. dry wt [as As]	SAMPLE MEASUREMENT	******	******	******	******	******	2.9	mg/kg			
61521 SL 0 Sludge	PERMIT REQUIREMENT	******	******	******	******	******	38 DAILY MX	mg/kg		Monthly	GRAB
Beryllium, sludge, tot. dry wt [as Be]	SAMPLE MEASUREMENT	******	******	******	******	******	<0.40	mg/kg			
61524 SL 0 Sludge	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	mg/kg		Once Every 2 Months	GRAB
Lead, dry weight	SAMPLE MEASUREMENT	******	******	******	******	******	53.1	mg/kg			
78468 SL 0 Sludge	PERMIT REQUIREMENT	******	******	******	******	******	1539 DAILY MX	mg/kg		Monthly	GRAB
Nickel, dry weight	SAMPLE MEASUREMENT	******	******	******	******	******	22.9	mg/kg			
78469 SL 0 Sludge	PERMIT REQUIREMENT	******	******	******	******	******	83934 DAILY MX	mg/kg		Monthly	GRAB
Mercury, dry weight	SAMPLE MEASUREMENT	******	******	******	******	******	0.85	mg/kg			
78471 SL 0 Sludge	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	mg/kg		Once Every 2 Months	GRAB
Chromium, dry weight	SAMPLE MEASUREMENT	******	******	******	******	******	43.1	mg/kg			
78473 SL 0 Sludge	PERMIT REQUIREMENT	******	******	******	******	******	387 DAILY MX	mg/kg		Monthly	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE
John Batorski Plant Manager TYPED OR PRINTED	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.	John Batorski SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	203 723 AREA Code	1433 NUMBER	12/23/2014 MM/DD/YYYY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

MONITORING FOR ARSENIC, CADMIUM, CHROMIUM, LEAD AND NICKEL REQUIRED ONCE PER MONTH. MONITORING FORBERYLLIUM AND MERCURY REQUIRED DURING FEBRUARY, APRIL, JUNE AUGUST, OCTOBER AND DECEMBER. REFER TO PERMITISSUED OCTOBER 14, 1994 FOR FURTHER REQUIREMENTS.

NATIONAL POLLUTANT D ,RGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

Form ,pd

OMB No. 2040-0004

PERMITTEE NAME/ADDRESS *(Include Facility Name/Location if Different)*

NAME: NAUGATUCK TREATMENT CO

ADDRESS: 500 CHERRY ST
NAUGATUCK, CT 06770

FACILITY: NAUGATUCK TREATMENT CO

LOCATION: 500 CHERRY ST
NAUGATUCK, CT 06770

ATTN: ~~ROBERT LAMBALOT, PLANT ENGR~~
John Batorski Plant Manager

PERMIT NUMBER	DISCHARGE NUMBER
CTL000002	SL1-A

MONITORING PERIOD	
MM/DD/YYYY	MM/DD/YYYY
10/01/2014	10/31/2014

DMR Mailing ZIP CODE: 06770

MINOR

SLUDGE INCINERATOR

Other

No Discharge ☐

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
Cadmium, sludge, tot dry weight [as Cd]	SAMPLE MEASUREMENT	******	******	******	******	******	4.46	mg/kg			
78476 SL 0 Sludge	PERMIT REQUIREMENT	******	******	******	******	******	172 DAILY MX	mg/kg		Monthly	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE
John Batorski Plant Manager TYPED OR PRINTED	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.	John Batorski SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	203723 AREA Code	1433 NUMBER	12/23/2014 MM/DD/YYYY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

MONITORING FOR ARSENIC, CADMIUM, CHROMIUM, LEAD AND NICKEL REQUIRED ONCE PER MONTH. MONITORING FORBERYLLIUM AND MERCURY REQUIRED DURING FEBRUARY, APRIL, JUNE AUGUST, OCTOBER AND DECEMBER. REFER TO PERMITISSUED OCTOBER 14, 1994 FOR FURTHER REQUIREMENTS.

NATIONAL POLLUTANT D' .RGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

Form /]d

OMB No. 040-0004

PERMITTEE NAME/ADDRESS *(Include Facility Name/Location if Different)*

NAME: NAUGATUCK TREATMENT CO

ADDRESS: 500 CHERRY ST
NAUGATUCK, CT 06770

FACILITY: NAUGATUCK TREATMENT CO

LOCATION: 500 CHERRY ST
NAUGATUCK, CT 06770

ATTN: ~~ROBERT LAMBALOT, PLANT ENGR~~
John Batorski Plant Manager

CTL000002	SL1-A
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD	
MM/DD/YYYY	MM/DD/YYYY
11/01/2014	11/30/2014

DMR Mailing ZIP CODE: 06770

MINOR

SLUDGE INCINERATOR

Other

No Discharge ☐

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
Hydrocarbons, aromatic	SAMPLE MEASUREMENT	******	******	******	******		******				
39942 SL 0 Sludge	PERMIT REQUIREMENT	******	******	******	******	100 MO AVG	******	ppm		Continuous	RCORDR
Arsenic, sludge tot. dry wt [as As]	SAMPLE MEASUREMENT	******	******	******	******	******	2.4	mg kg			
61521 SL 0 Sludge	PERMIT REQUIREMENT	******	******	******	******	******	38 DAILY MX	mg/kg		Monthly	GRAB
Lead, dry weight	SAMPLE MEASUREMENT	******	******	******	******	******	43.2	mg kg			
78468 SL 0 Sludge	PERMIT REQUIREMENT	******	******	******	******	******	1539 DAILY MX	mg/kg		Monthly	GRAB
Nickel, dry weight	SAMPLE MEASUREMENT	******	******	******	******	******	23.1	mg kg			
78469 SL 0 Sludge	PERMIT REQUIREMENT	******	******	******	******	******	83934 DAILY MX	mg/kg		Monthly	GRAB
Chromium, dry weight	SAMPLE MEASUREMENT	******	******	******	******	******	26.5	mg kg			
78473 SL 0 Sludge	PERMIT REQUIREMENT	******	******	******	******	******	387 DAILY MX	mg/kg		Monthly	GRAB
Cadmium, sludge, tot dry weight [as Cd]	SAMPLE MEASUREMENT	******	******	******	******	******	1.61	mg kg			
78476 SL 0 Sludge	PERMIT REQUIREMENT	******	******	******	******	******	172 DAILY MX	mg/kg		Monthly	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE		DATE
John Batorski John Batorski Plant Manager TYPED OR PRINTED	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.	John Batorski	203 723	1433	12/23/2014
			AREA Code	NUMBER	MM/DD/YYYY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

MONITORING FOR ARSENIC, CADMIUM, CHROMIUM, LEAD AND NICKEL REQUIRED ONCE PER MONTH. MONITORING FORBERYLLIUM AND MERCURY REQUIRED DURING FEBRUARY, APRIL, JUNE AUGUST, OCTOBER AND DECEMBER. REFER TO PERMITISSUED OCTOBER 14, 1994 FOR FURTHER REQUIREMENTS.

NATIONAL POLLUTANT D RGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

Form ed
OMB No. 2040-0004

PERMITTEE NAME/ADDRESS *(Include Facility Name/Location If Different)*

NAME: NAUGATUCK TREATMENT CO
ADDRESS: 500 CHERRY ST
NAUGATUCK, CT 06770
FACILITY: NAUGATUCK TREATMENT CO
LOCATION: 500 CHERRY ST
NAUGATUCK, CT 06770

ATTN: ~~ROBERT LAMBALOT, PLANT ENGR~~
John Barbarski, Plant Manager

PERMIT NUMBER	DISCHARGE NUMBER
CTL000002	SL1-A

MONITORING PERIOD MM/DD/YYYY	MM/DD/YYYY
12/01/2014	12/31/2014

DMR Mailing ZIP CODE: 06770
MINOR

SLUDGE INCINERATOR
Other

No Discharge ☐

PARAMETER		QUANTITY OR LOADING VALUE	VALUE	UNITS	QUALITY OR CONCENTRATION VALUE	VALUE	VALUE	UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
Beryllium, total recoverable [as Be]	SAMPLE MEASUREMENT	******	<0.38	mg/kg	******	******	******	******			
00998 SL 0 Sludge	PERMIT REQUIREMENT	******	10 DAILY MX	g/d	******	******	******	******		Quarterly	CALCTD
Hydrocarbons, aromatic	SAMPLE MEASUREMENT	******	******	******	******		******				
39942 SL 0 Sludge	PERMIT REQUIREMENT	******	******	******	******	100 MO AVG	******	ppm		Continuous	RCORDR
Arsenic, sludge tot. dry wt [as As]	SAMPLE MEASUREMENT	******	******	******	******	******	2.9				
61521 SL 0 Sludge	PERMIT REQUIREMENT	******	******	******	******	******	38 DAILY MX	mg/kg		Monthly	GRAB
Beryllium, sludge, tot. dry wt [as Be]	SAMPLE MEASUREMENT	******	******	******	******	******	<0.38				
61524 SL 0 Sludge	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	mg/kg		Once Every 2 Months	GRAB
Mercury, total recoverable	SAMPLE MEASUREMENT	******	0.98	mg/kg	******	******	******	******			
71901 SL 0 Sludge	PERMIT REQUIREMENT	******	3200 DAILY MX	g/d	******	******	******	******		Quarterly	CALCTD
Lead, dry weight	SAMPLE MEASUREMENT	******	******	******	******	******	43.8				
78468 SL 0 Sludge	PERMIT REQUIREMENT	******	******	******	******	******	1539 DAILY MX	mg/kg		Monthly	GRAB
Nickel, dry weight	SAMPLE MEASUREMENT	******	******	******	******	******	18.9				
78469 SL 0 Sludge	PERMIT REQUIREMENT	******	******	******	******	******	83934 DAILY MX	mg/kg		Monthly	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE
John Barbarski Plant Manager	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.	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	203	723 1433	12/23/2014
TYPED OR PRINTED			AREA Code	NUMBER	MM/DD/YYYY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

MONITORING FOR ARSENIC, CADMIUM, CHROMIUM, LEAD AND NICKEL REQUIRED ONCE PER MONTH. MONITORING FORBERYLLIUM AND MERCURY REQUIRED DURING FEBRUARY, APRIL, JUNE AUGUST, OCTOBER AND DECEMBER. REFER TO PERMITISSUED OCTOBER 14, 1994 FOR FURTHER REQUIREMENTS.

NATIONAL POLLUTANT D .RGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

Form ɔd

OMB No. 2040-0004

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NAME: NAUGATUCK TREATMENT CO

ADDRESS: 500 CHERRY ST
NAUGATUCK, CT 06770

FACILITY: NAUGATUCK TREATMENT CO

LOCATION: 500 CHERRY ST
NAUGATUCK, CT 06770

ATTN: ~~ROBERT LAMBALOT, PLANT ENGR~~
John Bartorski, Plant Manager

PERMIT NUMBER	DISCHARGE NUMBER
CTL000002	SL1-A

MONITORING PERIOD MM/DD/YYYY	MM/DD/YYYY
12/01/2014	12/31/2014

DMR Mailing ZIP CODE: 06770

MINOR

SLUDGE INCINERATOR

Other

No Discharge ☐

PARAMETER		QUANTITY OR LOADING VALUE	QUANTITY OR LOADING VALUE	QUANTITY OR LOADING UNITS	QUALITY OR CONCENTRATION VALUE	QUALITY OR CONCENTRATION VALUE	QUALITY OR CONCENTRATION VALUE	QUALITY OR CONCENTRATION UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
Mercury, dry weight	SAMPLE MEASUREMENT	******	******	******	******	******	0.98				
78471 SL 0 Sludge	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	mg/kg		Once Every 2 Months	GRAB
Chromium, dry weight	SAMPLE MEASUREMENT	******	******	******	******	******	31.2				
78473 SL 0 Sludge	PERMIT REQUIREMENT	******	******	******	******	******	387 DAILY MX	mg/kg		Monthly	GRAB
Cadmium, sludge, tot dry weight [as Cd]	SAMPLE MEASUREMENT	******	******	******	******	******	1.48				
78476 SL 0 Sludge	PERMIT REQUIREMENT	******	******	******	******	******	172 DAILY MX	mg/kg		Monthly	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE
John Bartorski Plant Manager	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.	John Bart	203723-	1433	12/23/2014
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA Code	NUMBER	MM/DD/YYYY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

MONITORING FOR ARSENIC, CADMIUM, CHROMIUM, LEAD AND NICKEL REQUIRED ONCE PER MONTH. MONITORING FORBERYLLIUM AND MERCURY REQUIRED DURING FEBRUARY, APRIL, JUNE AUGUST, OCTOBER AND DECEMBER. REFER TO PERMITISSUED OCTOBER 14, 1994 FOR FURTHER REQUIREMENTS.

VEOLIA
WATER

Sent via Certified R.R.R. Mail 7009 2820 0004 1018 1252 on December 23, 2014

December 23, 2014

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

Subject: CEMS Cylinder Gas and Opacity Audit, Fourth Quarter.

Dear Mr. John Degirolamo:

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

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

Sincerely,

Veolia Water North America-Northeast, LLC

John Batorski
Project Manager

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

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

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

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

PREPARED FOR:	Veolia Water 500 Cherry Street Naugatuck, Connecticut 06770
CONCERNING:	Cylinder Gas Audit (CGA) and Opacity Audit Fluidized Bed Incinerator 500 Cherry Street Naugatuck, Connecticut 06770
PREPARED BY:	CK Environmental, Inc. 1020 Turnpike Street, Suite # 8 Canton, MA 02021
	CK Project No. 4613
	December 16, 2014

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

Environmental

REPORT REVIEW CERTIFICATION

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

Prepared by: _____
Joseph Duggan / Project Manager

Reviewed by: _____
Michael Unterweger / Project Manager

Environmental

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TEST SUMMARY

Facility Name:	**Veolia Water North America – Northeast, LLC** 500 Cherry Street Naugatuck, Connecticut
Facility Contact:	**Veolia Water NA – Northeast, LLC** John Batorski / Plant Manager Tel. No. 203-723-1433 Email: john.batorski@veoliawaterna.com
Regulatory Agency: Contact:	**State of Connecticut** **Department of Energy and Environmental Protection** John Degirolamo / Air Pollution Control Engineer Tel. No. 203-424-3562
Testing Organization:	**CK Environmental, Inc.** 1020 Turnpike Street, Suite 8 Canton, Massachusetts 02021
Project Manager:	Mr. Michael Unterweger / Project Manager Tel. No. 781-828-5200 Email: munterweger@cke.us
Test Personnel:	Mr. Michael Unterweger / Project Engineer
Unit Tested:	Sludge Incinerator Exhaust Stack
Test Date:	December 12, 2014
Report Date:	December 16, 2014

1.0 INTRODUCTION

1.1 Summary of Test Program

CK Environmental, Inc. (CK) was contracted by Veolia Water North America to conduct a cylinder gas audit (CGA) and an opacity audit on the Continuous Emissions Monitoring System (CEMS) which monitors the emissions at the Fluidized Bed Incinerator located in Naugatuck, Connecticut. The CEMS/COMS monitor the emissions of oxygen, carbon monoxide and opacity from the incinerator operated at this facility. Auditing of the CEMS/COMS was conducted on December 12, 2014.

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

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

1.2 Key Personnel

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

Table 1-1
Key Personnel

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

2.0 PLANT AND SAMPLING SYSTEM DESCRIPTION

2.1 Process Description and Operation

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

The Zimpro fluidized bed incinerator has a sludge design feed rate of 3.5 DT/hr. Sludge is fed to the bottom of the sand bed where air is injected at high pressure under the bed, fluidizing the sand and the sludge. Processing of sludge within the sand bed consists of evaporation of water and pyrolysis of organic material. The remaining carbon and combustible gases are burned in the freeboard area above the sand bed. Oil lances are located within the sand bed in order to deliver auxiliary fuel to maintain the desired combustion temperature if necessary. All ash generated in the combustion chamber leaves the top of the incinerator.

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

2.2 Continuous Emission Monitoring System

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

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

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

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

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

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

Table 2-1
CEMS Specifications

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

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

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

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

Environmental

3.0 SUMMARY OF RESULTS

3.1 Objectives

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

3.2 Field Test Changes

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

3.3 Presentation of Results

A CGA was conducted on the outlet CEMS installed on the incinerator operated at this facility to document the CEMS RA for the fourth quarter 2014. The CEMS oxygen and carbon monoxide CGA and opacity audits were conducted on December 12, 2014.

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

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

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

Environmental

4.0 SAMPLING AND ANALYTICAL PROCEDURES

4.1 Cylinder Gas Audit Procedure

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

4.2 Opacity Audit Procedure

The opacity audit was performed by alternately passing three filters of different known opacity values (9.72, 20.06, and 32.70) in to the opacity monitor. The results of the audit were calculated using the average response of the monitor over the passes of the filters. The outcome of the opacity audit is based on the results of five passes of the filters.

5.0 CK's QUALITY ASSURANCE PROCEDURES

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

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

5.1 Sampling

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

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

5.2 Reporting

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

Environmental

TABLES

Table 3.1 Summary of Results
Cylinder Gas Audit
FB Incinerator
Veolia Water NA - Naugatuck, CT
Naugatuck, Connecticut
4th Qtr - 2014

CEMS	Test Date	Monitor	Span / Units	Cylinder Gas Audit				
				Standard Conc.	Average Response	Error (% of std.conc.)	Error (abs. diff.)	CGA Criteria
Oxygen	12/12/14	Siemans	0-25%	5.01	4.80	4.19	0.21	15.0% or 0.5% O_2
				10.00	9.80	2.00	0.20	15.0% or 0.5% O_2
Carbon Monoxide	12/12/14	TECO	0-300 ppm	75.00	77.57	3.42	2.57	15.0% or 5 ppm
				167.80	168.37	0.34	0.57	15.0% or 5 ppm

Table 3.2 Summary of Results

OPACITY AUDIT CALCULATION SHEET

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

DATE: 12/12/14
AUDITOR: RW

Run #	Zero	Low	Mid	High
1	0.05	7.11	14.99	25.16
2	0.04	7.06	15.20	25.00
3	0.04	6.93	15.19	25.18
4	0.08	6.98	15.03	25.09
5	0.07	6.96	15.08	25.19
6 Min Avg	0.11	7.02	15.19	24.85

	Actual Filter Values		Corrected Filter Values (2)
PATH LENGTH CORRECTION FACTOR (PLCF) =	0.714	-	N/A
LOW CALIBRATION FILTER VALUE =	9.72	-	7.04
MID CALIBRATION FILTER VALUE =	20.06	-	14.77
HIGH CALIBRATION FILTER VALUE =	32.70	-	24.63

N	Low	Value	Delta L	Del L^2
1	7.1	7.0	0.4	0.1
2	7.1	7.0	0.0	0.0
3	6.9	7.0	-0.1	0.0
4	7.0	7.0	-0.1	0.0
5	7.0	7.0	-0.1	0.0
Sum =			0.1	0.2
A = Sum (Delta L) ^ 2 =			0.0	
B = Sum (Delta L ^ 2) =			0.2	
N =			5.0	
(N * B) - A =			0.8	

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

ME = **0.0**

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

CI = **0.2**

Calibration Error = ABS (ME) + CI

Calibration Error (1) = **0.3**

6 Minute Average Mean Error = **0.0**

N	Mid	Value	Delta L	Del L^2
1	15.0	14.8	0.2	0.0
2	15.2	14.8	0.4	0.2
3	15.2	14.8	0.4	0.2
4	15.0	14.8	0.3	0.1
5	15.1	14.8	0.3	0.1
Sum =			1.6	0.6
A = Sum (Delta L) ^ 2 =			2.6	
B = Sum (Delta L ^ 2) =			0.6	
N =			5.0	
(N * B) - A =			0.2	

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

ME = **0.3**

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

CI = **0.1**

Calibration Error = ABS (ME) + CI

Calibration Error(1) = **0.4**

6 Minute Average Mean Error = **0.4**

N	High	Value	Delta L	Del L^2
1	25.2	24.6	0.5	0.3
2	25.0	24.6	0.4	0.1
3	25.2	24.6	0.6	0.3
4	25.1	24.6	0.5	0.2
5	25.2	24.6	0.6	0.3
Sum =			2.5	1.2
A = Sum (Delta L) ^ 2 =			6.1	
B = Sum (Delta L ^ 2) =			1.2	
N =			5.0	
(N * B) - A =			0.1	

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

ME = **0.5**

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

CI = **0.1**

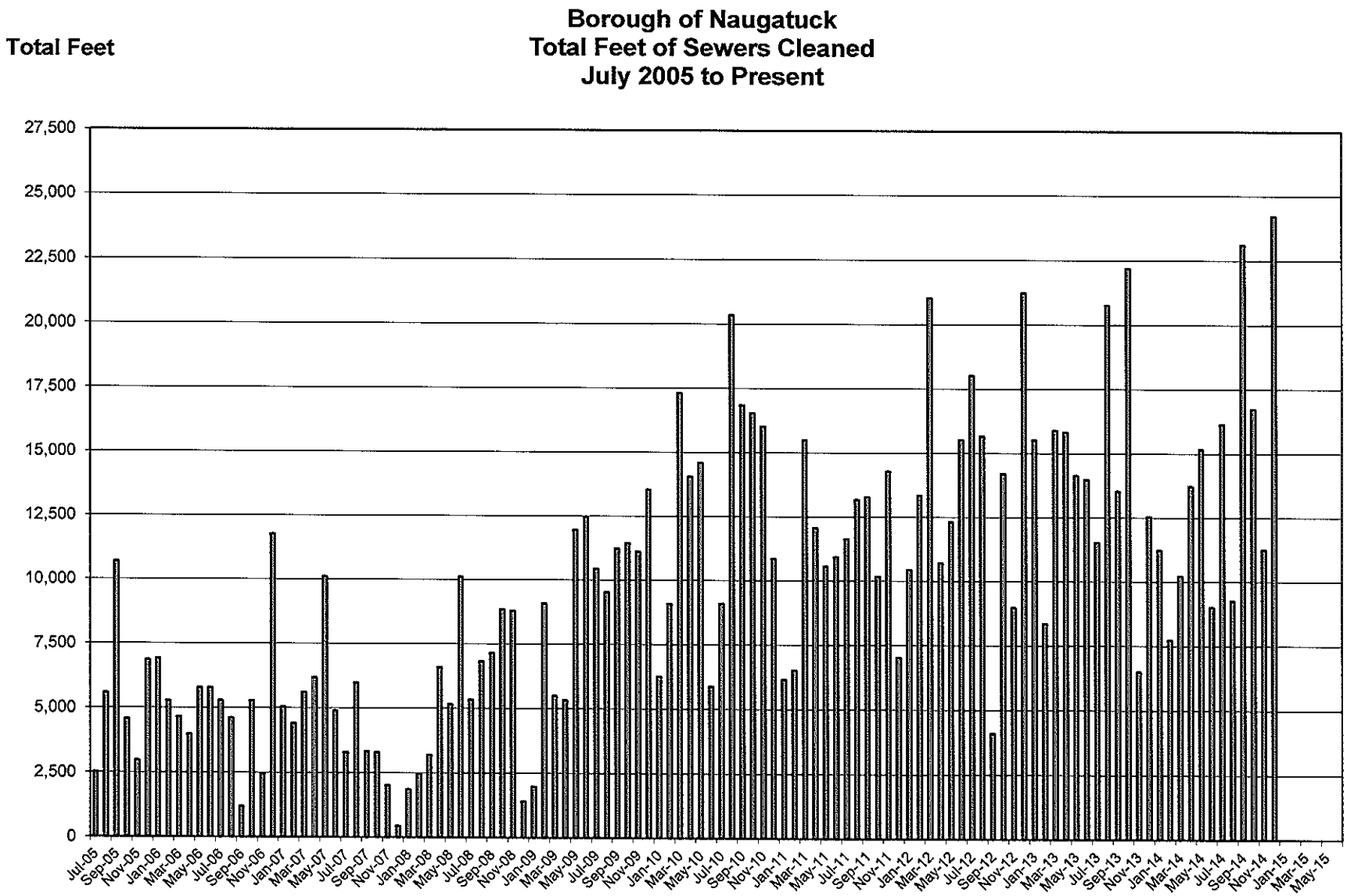
Calibration Error = ABS (ME) + CI

Calibration Error (1) = **0.6**

6 Minute Average Mean Error = **0.2**

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

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


Borough of Naugatuck
Total Feet of Sewers Cleaned
July 2005 to Present
Total Feet
27,500
25,000
22,500
20,000
17,500
15,000
12,500
10,000
7,500
5,000
2,500
0
Jul-05
Sep-05
Nov-05
Jan-06
Mar-06
May-06
Jul-06
Sep-06
Nov-06
Jan-07
Mar-07
May-07
Jul-07
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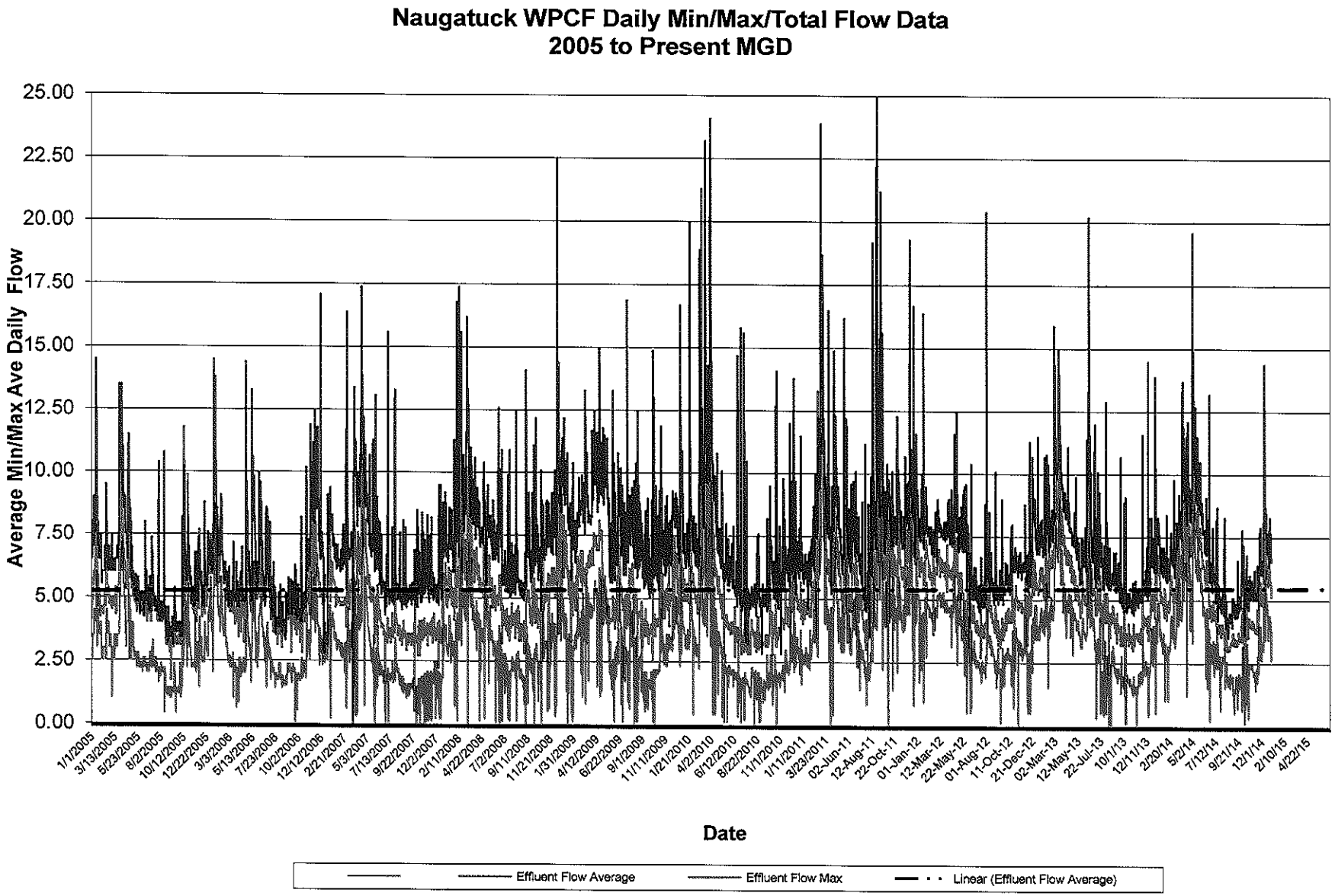
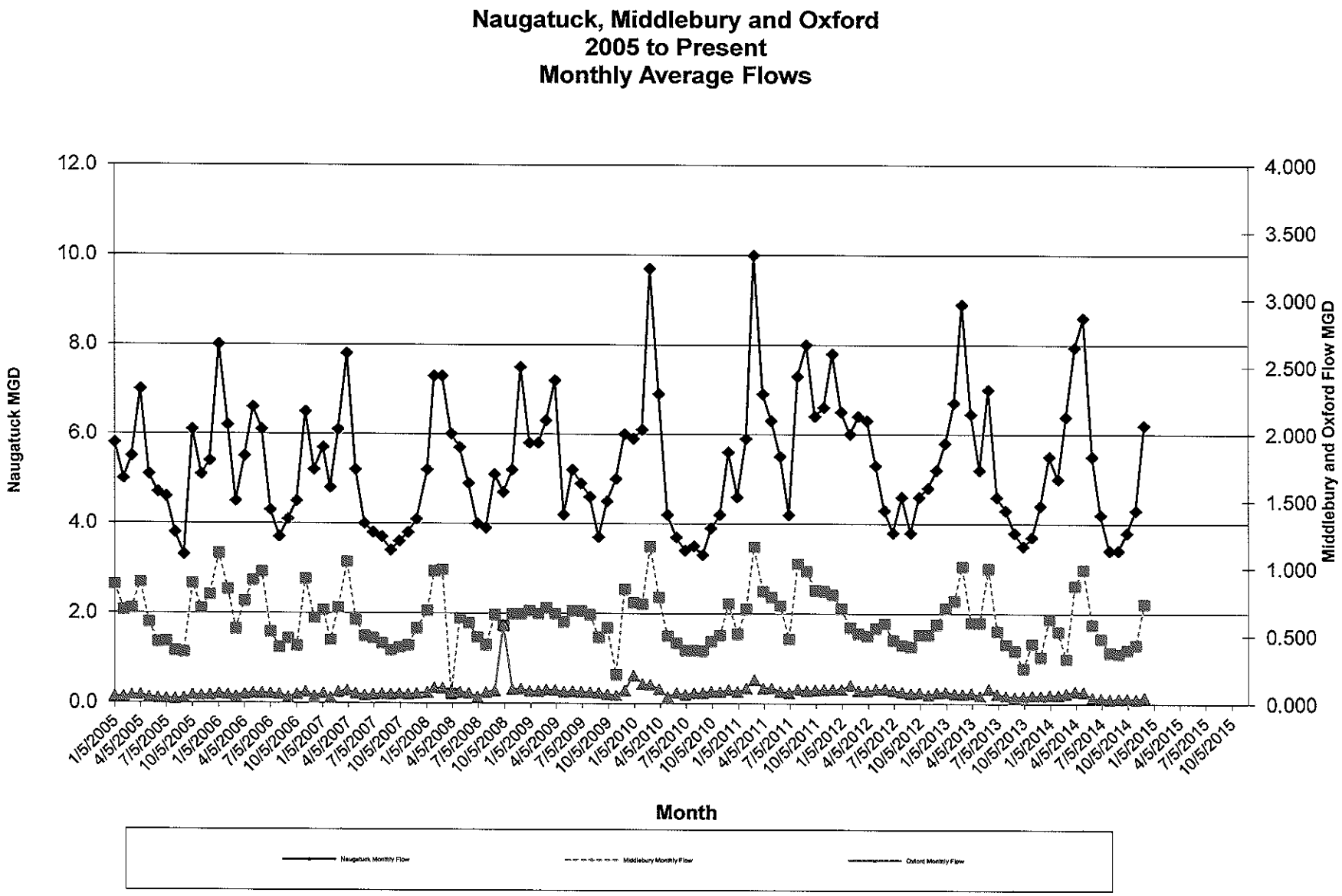
Nov-14
Jan-15
Mar-15
May-15


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


Naugatuck, Middlebury and Oxford
2005 to Present
Monthly Average Flows
Naugatuck MGD
Middlebury and Oxford Flow MGD
Month
12.0
10.0
8.0
6.0
4.0
2.0
0.0
4.000
3.500
3.000
2.500
2.000
1.500
1.000
0.500
0.000
1/5/2005
4/5/2005
7/5/2005
10/5/2005
1/5/2006
4/5/2006
7/5/2006
10/5/2006
1/5/2007
4/5/2007
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7/5/2012
10/5/2012
1/5/2013
4/5/2013
7/5/2013
10/5/2013
1/5/2014
4/5/2014
7/5/2014
10/5/2014
1/5/2015
4/5/2015
7/5/2015
10/5/2015
Naugatuck Monthly Flow
Middlebury Monthly Flow
Oxford Monthly Flow

Connecticut Department of
ENERGY &
ENVIRONMENTAL
PROTECTION

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

January 7, 2015

Electric Cable Compounds, Inc.
108 Rado Drive
Naugatuck, CT 06770

Attn: Gene Fridland, President

Re: Voluntary Self-Disclosure

Dear Mr. Fridland:

This is in response to your letters dated October 28, 2014 and December 3, 2014, which were submitted pursuant to the Department's *Policy on Incentives for Self-Policing* (the "*Self-Policing Policy*"). You indicated that Electric Cable Compounds ("ECC") has been maintaining a discharge of approximately 13,000 gallons per day of process wastewater to the Borough of Naugatuck Publicly Owned Treatment Works ("POTW"), without having obtained the necessary discharge permit from the Department. Also, ECC has failed to register for coverage under the Department's *General Permit for the Discharge of Stormwater Associated with Industrial Activity* (the "*Industrial Stormwater GP*").

One area that must still be addressed is correction of the violations. ECC anticipated completing its Stormwater Pollution Prevention Plan and applying for registration under the *Industrial Stormwater GP* during December 2014. To obtain the necessary permit for the discharge of process wastewater to the sanitary sewer system, ECC must submit a *Permit Application for Wastewater Discharges from Manufacturing, Commercial, and Other Activities.* The December 3rd letter stated "As DEEP is aware, the process of completing and submitting a SPDES permit application and issuing a permit is expected to take several months." and requested an extension of time to correct this violation. This request is open-ended. Therefore, by January 28, 2015, please submit documentation specifically indicating when the permit application will be submitted. Also, please identify when each discharge began.

In accordance with section B.1. of the *Self-Policing Policy*, the Water Permitting and Enforcement Division ("WPED") is not recommending action to seek gravity-based penalties for the violations that have been disclosed. However, WPED must still assess the need to take action to recover the economic benefit that ECC obtained by failing to comply with the applicable statutes and regulations. This assessment will be conducted after the permit applications have been received and reviewed, and monitoring requirements for the permits have been developed.

If there are any questions, please contact me at 860-424-3021 or via e-mail at Oswald.inglese@ct.gov, or Peter Ploch at 860-424-3280 or via e-mail at Peter.ploch@ct.gov.

Yours truly,

Oswald Inglese, Jr., Director
DEEP Water Permitting and Enforcement Division

CC: Peter Ploch, DEEP/WPED
Jim Morrell, EH&S Director, ECC
Brian Freeman, Esq., Robinson & Cole
James Stewart, Director of Public Works, Naugatuck
John Batorski, Veolia Water, Naugatuck POTW
Gil Ryan, Woodard & Curran
Nicole Lugli, DEEP Office of Planning and Compliance Assurance

5

Rec'd 12-29-14

4353 ✓

INVOICE

Customer No:	00000005175900		Inv No: 0000427396
Work Order:	51759	WTR Naugatuck-Emergency Repair	Invoice Date: 11/26/2014
Task/War:	MM51759	WTR Naugatuck-Emergency Repair	
Project:	MI03A1401	Misc I&C-New Haven And Branch	

Remit To:

Metro-North Railroad
P.O. Box 4083
Grand Central Station
New York, NY 10163

Veolia North America
500 Cherry St
Naugatuck, CT 06770

Work Order Description : WTR Naugatuck-Emergency Repair Veolia N.A.

Please include RETURN COPY with your remittance.

Description of Services	Amount
LABOR CHARGES	$5,669.20
OVERHEAD	$10,052.00
BONUS	$0.00
INVENTORY CHARGES	$0.00
MATERIAL HANDLING	$0.00
ACCOUNTS PAYABLE CHARGES	$0.00
EQUIPMENT CHARGES	$0.00
ADJUSTMENTS	$0.00
DUE IMMEDIATELY Total Amount Due	$15,721.20

CERTIFICATE OF CHARGES

I HAVE REVIEWED THE ATTACHED STATEMENTS IN SUPPORT OF THIS BILLING AND BELIEVE, TO THE BEST OF MY KNOWLEDGE, THAT THE AMOUNTS SUMMARIZED ABOVE ARE REASONABLE AND REPRESENT THE COSTS OF GOODS AND SERVICES RENDERED IN CONJUNCTION WITH THIS PROJECT.

SIGNATURE OF SECTION MANAGER - AR _____

SIGNATURE OF PROJECT MANAGER Kasbawala R. V.

Refer all inquiries to

Contact Person	Phone No	Project Mgr	Contract No	GL#
TIM FARRELL	212 340 2326	Kasbawala,Rajendra V		161239

PAYROLL CHARGES

EMP ID	NAME	UNION	FC	PCODE	HOUR	REG AMT	OT AMT	AMOUNT	OH AMT	TOTAL
Pay Period Ending:	07/29/2014									
Cost Center:	38300	At New Haven Yard								
Dept ID:	37321	New Haven Yard Crew								
Ledger Account:	600103	COND/TRMEN XTRA NONREVASG								
1035015	Mirman,Shari G	020	021	RP	8.00	294.66	0.00	294.66	583.66	878.32
Payroll Costs For Week Ending	07/29/2014				8.00	294.66	0.00	294.66	583.66	878.32
Pay Period Ending:	08/05/2014									
Cost Center:	38300	At New Haven Yard								
Dept ID:	37321	New Haven Yard Crew								
Ledger Account:	600103	COND/TRMEN XTRA NONREVASG								
1034134	Murphy,John B	020	021	RP	8.00	294.66	0.00	294.66	583.66	878.32
1034661	O'Brien,William N	020	021	RP	8.00	294.66	0.00	294.66	583.66	878.32
1034981	Bohan,Kevin J	020	021	RP	8.00	294.66	0.00	294.66	583.66	878.32
1035015	Mirman,Shari G	020	021	RP	32.00	1,178.62	0.00	1,178.62	2,334.61	3,513.23
1035499	McKenna,Timothy S	020	021	RP	8.00	294.66	0.00	294.66	583.66	878.32
Ledger Account:	612106	COND/TRMN XTRA NR ASSGNMT								
1034461	Carregal,Kevin M	020	021	OT	7.34	0.00	405.52	405.52	535.50	941.02
1034661	O'Brien,William N	020	021	OT	3.87	0.00	213.81	213.81	282.34	496.15
1035015	Mirman,Shari G	020	021	OT	8.22	0.00	454.14	454.14	599.71	1,053.85
1040656	Durkin,Thomas R	020	021	OT	3.83	0.00	211.60	211.60	279.42	491.02
Cost Center:	48200	Bridgeport Yd &Work Train Oper								
Dept ID:	37321	New Haven Yard Crew								
Ledger Account:	600103	COND/TRMEN XTRA NONREVASG								
1035737	Callahan,Michael A	020	021	RP	8.00	294.66	0.00	294.66	583.66	878.32
Ledger Account:	612106	COND/TRMN XTRA NR ASSGNMT								
1035737	Callahan,Michael A	020	021	OT	3.87	0.00	213.81	213.81	282.34	496.15
Payroll Costs For Week Ending	08/05/2014				99.13	2,651.92	1,498.88	4,150.80	7,232.22	11,383.02
Pay Period Ending:	08/12/2014									
Cost Center:	38300	At New Haven Yard								
Dept ID:	37321	New Haven Yard Crew								
Ledger Account:	600103	COND/TRMEN XTRA NONREVASG								
1034134	Murphy,John B	020	021	RP	8.00	294.66	0.00	294.66	583.66	878.32
Payroll Costs For Week Ending	08/12/2014				8.00	294.66	0.00	294.66	583.66	878.32
Pay Period Ending:	09/02/2014									
Cost Center:	38300	At New Haven Yard								
Dept ID:	37321	New Haven Yard Crew								
Ledger Account:	600103	COND/TRMEN XTRA NONREVASG								
1034981	Bohan,Kevin J	020	021	RP	8.00	294.66	0.00	294.66	583.66	878.32
Ledger Account:	600124	WORKING LUNCH								
1034981	Bohan,Kevin J	020	021	CA	0.75	27.62	0.00	27.62	54.71	82.33
Ledger Account:	612106	COND/TRMN XTRA NR ASSGNMT								
1034981	Bohan,Kevin J	020	021	OT	3.32	0.00	183.42	183.42	242.21	425.63

PAYROLL CHARGES

EMP ID	NAME	UNION	FC	PCODE	HOUR	REG AMT	OT AMT	AMOUNT	OH AMT	TOTAL
Payroll Costs For Week Ending	09/02/2014				12.07	322.28	183.42	505.70	880.58	1,386.28
Pay Period Ending:	09/09/2014									
Cost Center:	38300	At New Haven Yard								
Dept ID:	37321	New Haven Yard Crew								
Ledger Account:	600103	COND/TRMEN XTRA NONREVASG								
1034134	Murphy,John B	020	021	RP	8.00	294.66	0.00	294.66	583.66	878.32
Ledger Account:	600124	WORKING LUNCH								
1034134	Murphy,John B	020	021	CA	0.75	27.62	0.00	27.62	54.71	82.33
Ledger Account:	612106	COND/TRMN XTRA NR ASSGNMT								
1034134	Murphy,John B	020	021	OT	1.83	0.00	101.10	101.10	133.51	234.61
Payroll Costs For Week Ending	09/09/2014				10.58	322.28	101.10	423.38	771.88	1,195.26
Payroll Costs Total					137.78	3,885.80	1,783.40	5,669.20	10,052.00	15,721.20

JIM SHANNON REPUBLICAN-AMERICAN

Members of local robotics programs, from left, Davie Urbaez of Kennedy High School, Robbie Black of Kennedy High School and Maddi Lammlin of Watertown High School, discuss this year's challenge they will face in this year's national FIRST Robotics Competition. Teams from all over the state were on hand at Wolcott High School on Saturday for the unveiling of this year's challenge.

Teams gather in Wolcott to learn challenge

BY JORDAN OTERO
REPUBLICAN-AMERICAN

WOLCOTT — About 400 high school students, all members of FIRST Robotics teams from across the state, gathered this weekend for the announcement that determined what kind of robot they will be building over the next six weeks.

Choruses of "oohs" echoed through the Wolcott High School auditorium Saturday as teams learned that their robots will be required to stack materials in this year's game, called "Recycle Rush."

The challenges presented in this year's game are a shift from those of the past, which have often required robots to launch different balls or throw Frisbees. Robbie Black, a senior on Kennedy High School's team, the Nuts and Bolts of Fury, said he wasn't expecting this year's game to involve stacking.

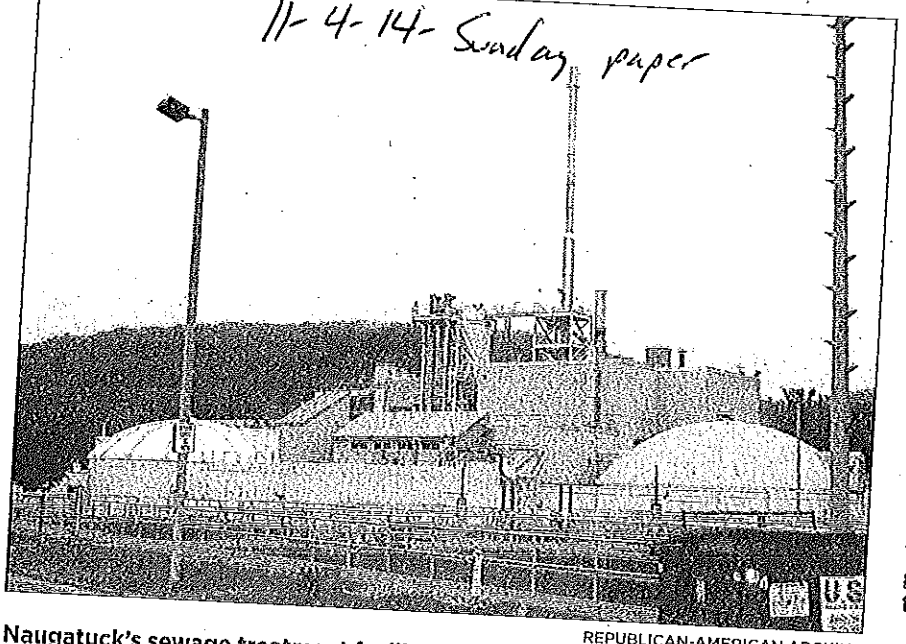
"It's complicated and complex," Black said. "They kind of threw us a curve ball with this one."

See **ROBOTICS**, *Page* **5B**

IF YOU GO

The first-year Waterbury District event of robotics competition will be held at Wilby High School from Feb 28-March 1.
The school is at 460 Bucks Hill Road.

11-4-14- Sunday paper



REPUBLICAN-AMERICAN ARCHIVE

Naugatuck's sewage treatment facility at 500 Cherry St. The federal government is requiring $81 million in upgrades to the plant with an eye toward improving the environment.

Naugatuck may lose eligibility to receive clean water grants

BY PAUL SINGLEY
REPUBLICAN-AMERICAN

NAUGATUCK — The borough may be on the verge of being disqualified for grant opportunities to help pay for upgrades to its wastewater treatment plant.

An official from the state Department of Energy and Environmental Protection said last week that if Naugatuck does not find a way to pay for federally-mandated plant upgrades, the state could issue a consent order to force the borough to make the upgrades.

"If that happens, it could disqualify Naugatuck for money from the Clean Water Fund," said Ann Straut, a senior sanitary en-

See **PLANT**, *Page* **5B**

PLANT: Voters refused to authorize bonds

gineer for DEEP. "If they voluntarily make the upgrades, then they can get the money."

Volunteering to make upgrades, in the eyes of the DEEP, is when municipalities are told they are mandated to make improvements and then formulate a plan to do so. Several cities and towns across Connecticut, including Torrington and Derby, are under mandates to make their plants more environmentally friendly. Both of those municipalities approved millions of dollars in bonding money in November to comply with the mandate.

Naugatuck voters, however, rejected a request to bond the borough's first round of upgrades.

Voters were asked to approve $12 million for incinerator upgrades and pollution abatement projects, and installation of a filter to remove mercury from the incinerator output. That vote failed on Election Day by a vote of 3,394 to 4,039.

Straut said Naugatuck is the only municipality she knows of that has tried to bond money for this project and had taxpayers reject it. She said Naugatuck could face stiff penalties, including potential fines, if it falls behind on the project and does not get it completed on time.

Plus, the overall cost of the project already sits at $81 million, and the price likely will only increase as time goes on.

She said Naugatuck is behind already on part of the plan. It is late in submitting a plan for an ash lagoon that would stop ash from spreading into the environment.

STRAUT SAID DEEP is willing to work with Naugatuck — the agency does not plan to force Naugatuck to shut down the plant in the near future. However, the mandates come from the federal Environmental Protection Agency and DEEP only oversees them, so state officials say their hands are tied with how much leeway they can give municipalities. Getting the money in line is up to each municipality.

"We think Naugatuck and, frankly, other municipalities could have done a better job with public relations and telling residents why this is important," she said.

Of the $86 million price, about $30 million is for phosphorous removal. The federal government is making wastewater treatment facilities reduce the amount of phosphorus they emit within the next five years.

Phosphorous is found in fertilizer, some laundry detergents and in dishwashing detergents. Too much phosphorous can trigger algae blooms, reducing the clarity of water. In extreme cases, this can lead to depletion of oxygen and fish kills, according to the DEEP.

Naugatuck must 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 contingencies.

IN THE UNLIKELY CASE that Naugatuck has to shut down its plant, the borough would lose about $4 million a year from contracts it has with outside agencies, including municipalities, to treat their waste.

Plus, it would have to find a way to treat its own waste and would probably be in breach of contract with Veolia, the company that operates the plant.

Despite Straut's claim of poor public relations campaigning, Naugatuck officials did hold meetings and attempt to inform the public about this project, Naugatuck Department of Public Works Director Jim Stewart said. Fewer than 10 people attended meetings to discuss it.

Stewart said the DEEP has indicated it is willing to work with Naugatuck, and the borough is looking for an alternate funding source.

"We are supposed to send a letter to the commissioner of DEEP to explain our situation and then have a meeting," he said. "I guess we will take it from there."

Contact Paul Singley at psingley@rep-am.com, on Facebook at RA Naugatuck or on Twitter @RANaugatuck.

players pursue during the off season, traveling around the country to ride roller coasters and eating his way around every California ballpark in five consecutive days. He's done an article on the "Top Tims of all Times," as well as the top

WNBA. "I name and women's ba called.

They we months lat the parents

"I don't he added.

EATERY: Run say a Pepe's Pi

Recently, the business has expanded, opening pizzerias in West Hartford, Fairfield, Manchester, Danbury, Yonkers, N.Y., and at Mohegan Sun.

Schlesinger plans to break ground on the gas station in March or April. Construction on the other parcel could begin at the same time, he said, but not until he has an agreement with a restaurateur.

The food outlet will be almost directly across from Spartan Restaurant and Bar, which serves Greek and Italian food, including pizza. But their proximity doesn't mean they can't operate harmoniously, Schlesinger said. "Whether

it's a pizze going to b rant like S different."

Also, he station to area betw end and M rently dev facilities.

Schlesi Chase Pa spot for r and will from Int gatuck V College Leever C

"I thin Schlesing could be Chase P veloped."