VEOLIA

July 14, 2015

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

Re: **June 2015 Monthly Operating Report**

Dear Mr. Merancy:

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

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

Sincerely,
Veolia Water North America – Northeast, LLC

John Batorski
Plant Manager
Veolia Water Naugatuck

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

(enclosure)

Veolia Water NA -Naugatuck
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www.veoliawaterna.com

Borough of Naugatuck
Monthly WPCF Report June 2015

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

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

Please see attached Collections Report.

3. **Plant Performance Summary:**

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

Plant Process Data	Limit	Actual
Total Suspended Solids (mg/l)		
Influent Avg.	-	103
Effluent Avg.	30	5
Removal Efficiency	85%	96%
Plant Process Data*	Limit	Actual
Carbonaceous BOD (mg/l)		
Influent Avg.	-	145
Eff Avg(Nov 1 – May 31)	25	
Eff Avg(June – Oct 31)	15	4
Removal Efficiency	85%	97%

Discharge Permit Exceedance: None

	Naugatuck	Middlebury	Oxford	OTR
June Flow Avg. (MGD)	4.7	0.828	0.043	N/A
Sludge Liquid Total (MGal)				7033.7
Sludge Cake Total (Wet Tons)				4013.1
Septage Total (MGal)	65,330	47,000	200,500	654,800

Discharge Permit Exceedance: None

Safety Incidents and Odor Complaints

	Month	YTD
Recordable Accidents	0	0
Lost Time Accidents	0	0
Odor Complaints	3	5
Unconfirmed Odor Complaints	0	1

1. **Compliance & Regulatory Issues**
   - **a.** There were two separate visits by CTDEEP odor inspectors. No odors were noted during the visit.
   - **b.** The Water Compliance Inspection Report was received from the May 2015 inspection (copy attached). A reply for the report was prepared (attached) to clarify the report statements.
   - **c.** As the Board is aware, the incinerator requires new emission controls (change of law) by March 2016. We understand it may be possible for an extension to March of 2017 from EPA if a plan for compliance is approved by them. This issue is becoming more important as we approach the deadline. Design time, approvals and equipment lead time for 2017 completion are fast approaching (2016 compliance may not be possible). Unless we have written approvals from EPA/CTDEEP to operate the incinerator past March 2016, we have no option but to shut it down.

Borough of Naugatuck
Monthly WPCF Report June 2015

2. **Odor Complaints**
   a. There were 2 odor complaints in June.
3. **Personnel**
   a. An operator started June 24 replacing the operator that transferred to the Redding facility. The new operator has a Grade 1 wastewater operator in training certificate from CTDEEP.
4. **Health & Safety**
   a. The June Safety Meeting consisted of crane safety, ladder safety and a review of the June 9 Safety Audit findings.
   b. The plant safety audit was performed in June. Minor identified corrections should be completed in 30 to 45 days.
5. **Operational Information**
   a. Two additional ventilation fans one of which replaced an existing failing roof top fan were operational at the end of June. The fans will continuously draw air from the merchant cake unloading area as opposed from the roof top.
6. **Collections**
   a. No major items to report.
7. **Maintenance**
   a. The North centrifuge was rebuilt.
   b. The Spirac conveyors operations now have Lead/Lag controls in an effort to further automate/streamline operations.
   c. The #1 raw sewage pump seal failed after approximately two years of operation. The pump was repaired ($4300) and returned to service.
   d. The Borger pump for the primary sludge thickener was rebuilt after over 2 years of continuous operation.
   e. The venturi elbow had ceramic castable applied to the refractory surface.
   f. CCC-1 and CCC-2 conveyors both failed and were repaired in place. Each of these conveyors will have to be changed at a scheduled date in the next 6 months. They cost approximately $8000 each and require 12 hours to change. In addition, VC-3 failed and a $28k critical spare was used to save time. Critical spare gearboxes were ordered for the Spirac drive (~$10k).
   g. The CEM PLC power supply failed as well as the CO and O2 input card. Minor reprogramming was required.

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

Borough of Naugatuck
Collections Systems Report
June 2015

VEOLIA WATER

	Calls for Service
1	06/01/15 - Lynn Cir - Rag build up
2	06/07/15 - 18 Bradley st - Lateral problem
3	06/10/15 - 101 Quinn St - Main line free
4	06/18/15 - 120 Inwood dr - Lateral problem
5	06/30/15 - 88 Hoadley st - Loose m/h lid
6	

This Month	Year to Date
5	32

	Calls Caused By Collection System	Reason
1		
2		
3		
4		

High Velocity Cleaning

	Street Name	Date	Footage
1	Gen Patton Dr 13-149 to 13-102	6/1/2015	430
2	Lynn Cir 6-244 to 6-249	6/1/2015	185
3	Bowman Dr 16-14 to 16-55	6/1/2015	450
4	Woodland 10-130 to 10-132	6/1/2015	300
5	Woodland 10-130 to 10-133	6/1/2015	225
	Homestead Ave easement 10-38 to 10-39	6/1/2015	300
6	Coen St 10-180 to 7-245	6/3/2015	410
7	Homestead Ave 10-36 to 10-38	6/3/2015	325
8	Pheonix Ave no m/h #s	6/3/2015	400
9	Baldwin St 10-167 to 10-170	6/3/2015	345
10	Auburn St 10-163 to 10-164	6/3/2015	400
11	Bingham St 7-232 to 7-234	6/3/2015	315
12	John St 7-221 to 7-22A	6/3/2015	550
13	Mulberry St 11-2 to 11-3	6/3/2015	300
14	Woodcrest Cir 10-76 to 10-77	6/3/2015	240
15	Porter Ave 3-10 to 2-30	6/8/2015	160
16	Spring St 2-14 to 2-14A	6/8/2015	225
17	Brennan St 7-48 to 7-14	6/8/2015	300
18	Diamond St 7-41 to 7-52	6/8/2015	200
19	Spring St 7-16 to 7-42	6/8/2015	500
20	Spring St 7-42 to 7-43	6/8/2015	200
21	Crown St 7-38 to 7-13	6/8/2015	440
22	Brennan St 7-51 to 7-42	6/8/2015	480
23	Millville Ave 6-115 to 6-167	6/9/2015	225
24	Millville Ave 6-115 to 6-116	6/9/2015	295
25	Mulberry St 11-16 to 11-17	6/9/2015	365
26	High St 10-150 to no m/h #	6/9/2015	620
27	High St 10-137 to 10-139	6/9/2015	275
28	Hillside Ave 6-180 to 6-179	6/10/2015	130
29	Hillside Ave 6-181 to 6-180	6/10/2015	150
30	Quinn St 6-171 to 6-171A	6/10/2015	525
31	Quinn St 6-236 to 6-238	6/10/2015	620

6 month list
Call for service

32	Chestnut St 6-294 to 6-293	6/10/2015	270
33	Quinn St 6-293 to no m/h #	6/10/2015	200
34	Trowbridge 9-181 to 9-182	6/10/2015	385
35	Trowbridge 9-180 to 9-181	6/10/2015	115
36	Sweeny 6-179 to no m/h #	6/10/2015	190
37	Southview St 9-193A to 9-193C	6/10/2015	300
38	Sweeny 6-181 to 6-180	6/10/2015	75
39	David St 3-126 to 3-127	6/11/2015	800
40	Locust St 7-128 to 7-129	6/11/2015	285
41	Sheffield Ln 7-137 to 7-158	6/11/2015	320
42	Prospect St Syphon 7-99 to 7-140	6/11/2015	345
43	Central Ave 10-240 to 10-244	6/11/2015	195
44	Endogen 7-254 to 7-256	6/12/2015	400
45	Stanley St 7-266 to 7-271	6/12/2015	230
46	Golden Hill St 7-265 to 7-274	6/12/2015	375
47	Golden Hill St 7-265 to 3-49	6/12/2015	300
48	Woodbine St 7-265 to 7-264	6/12/2015	100
49	Woodbine St 7-265 to 7-266	6/12/2015	190
50	City Hill School 7-206 to 7-207A	6/12/2015	250
51	Donovan Rd 7-202d to 7-202	6/17/2015	678
52	City Brook Rd 7-202 to 7-185	6/17/2015	776
53	City Brook easement 7-185 upstream	6/18/2015	400
54	City Brook Rd 7-185 to 7-184	6/18/2015	236
55	Applewood Ln 7-1A to 7-6A	6/23/2015	640
56	Tyler Hill Rd 7-1T to 7-8T	6/23/2015	1070
57	Applewood Ln 7-6A to 7-12A	6/23/2015	1140
58	Donovan Rd 7-1D to 7-3D	6/24/2015	560
59	Sierra Ridge Rd 7-1S to 7-6S	6/24/2015	620
60	Sierra Ridge Rd 7-6S to 7-3D	6/24/2015	145
61	Donovan Rd 7-3D to 7-8D	6/24/2015	875
62	Country Hollow Rd 7-1H to 7-7H	6/24/2015	890
63	Applewood Ln 7-7H to 7-13A	6/24/2015	240
64	Applewood Ln 7-13A to 7-15A	6/24/2015	425
65	Applewood Ln 7-15A to 7-20A	6/25/2015	820
66	Applewood Ln 7-20A to 7-12A	6/25/2015	95
67	Skyview Dr 7-12A to 7-1Y	6/25/2015	175
68	Skyview Dr 7-1Y to 7-5Y	6/25/2015	465
69	Windview Dr 7-1W to 7-3W	6/25/2015	418
70	Lewis St 9-62 to 9-61	6/29/2015	400
71	Olive St 9-68 to 9-53	6/29/2015	1055
72	Manners Ave 9-119 to 9-118	6/29/2015	220
73	Grove St 6-306 to 6-301	6/30/2015	1310
74			
75			
76			
77			
78			

This Month		Year to Date	
29863	Feet	186519	Feet

	Root Treatment		
	Street Name	Type	Footage
1	Brennan st 7-51 to 7-42	root cutter	160
2			
3			

This Month		Year to Date	
160	Feet	4571	Feet

	Video Inspections		
	Street Name	Type	Footage
1	Brennan st 7-42 to 7-51	cctv	313
2	crossing Rt 63 m/hs 7-31 to 7-24	cctv	52
3	Andrew Ave 9-95E to 9-94	cctv	913
4	Andrew Ave 9-95 to 9-92	cctv	514
	Grove St 6-302 to 6-301	cctv	25
5	City Brook Rd 7-187 to 7-186	cctv	75

This Month		Year to Date	
1892	Feet	17438.9	Feet

	Pump Station Services			
	Work performed	Location	Date	Notes
1	Weekly pumpstation checks	all 5	6/5/2015	Cleaned floats
2	Weekly pumpstation checks	all 5	6/12/2015	Cleaned floats
3	Weekly pumpstation checks	all 5	6/19/2015	Generator and high wetwell checks
4	Weekly pumpstation checks	all 5	6/26/2015	Cleaned floats
5				
6				
7				

PUMP RUN TIMES		HOURS		
STATION		Pump 1	Pump 2	Pump 3
Inwood	End Reading	438.2	568.6	42.1
	Start Reading	402.2	527.7	2.1
	Hrs Run	36	40.9	40

PUMP RUN TIMES		HOURS	
STATION		Pump 1	Pump 2
MAPLE & MAY	End Reading	3514.2	2761.8
	Start Reading	3480.9	2730.4
	Hrs Run	33.3	31.4

PUMP RUN TIMES		HOURS		
STATION		Pump 1	Pump 2	Flow Meter
Platts Mill	End Reading	4575.3	6397.4	1737072
	Start Reading	4575.3	6261	1560904
	Hrs Run	0	136.4	176168 gal

PUMP RUN TIMES		HOURS	
STATION		Pump 1	Pump 2
Hopbrook	End Reading	1200.8	827.4
	Start Reading	1175.3	813.6
	Hrs Run	25.5	13.8

PUMP RUN TIMES		HOURS	
STATION		Pump 1	Pump 2
HORTON HILL	End Reading	8239.6	9989.7
	Start Reading	8175	9930.4
	Hrs Run	64.6	59.3

Vac Truck Information

Days out of the plant working		
This Month	YTD	Remaining
15	176	-26

Fuel Information	Fuel Cost	Fuel Used			
	$210.55	64.2	Gallons	YTD Gallons	
			Gallons	1503.4	Gallons
			Gallons		
			Gallons	YTD Fuel Cost	
This Months Total	$210.55	64.2	Gallons	$5,634.53	

	Mileage		Engine Hours
Month Start	185620.1	Month Start	5637.2
Month End	186558.5	Month End	5696.5
Total	938.4	Total	59.3

Utility Truck Information	Fuel Cost	Fuel Used		
	$88.51	26.99	Gallons	YTD Gallons
	$100.30	30.58	Gallons	866.31
			Gallons	
			Gallons	YTD Fuel Cost
Monthly Totals:	**$188.81**	**57.57**	Gallons	$2,590.83

Other tasks and notes

1	06/01/15 - Vac out the skimmimgs in the primary tank, 1 load.
2	06/04/15 - Confined space entry to m/h on CT Water easement to retrieve rocks from invert.
3	06/05/15 - Walked the Simsberry Rd easement, measured m/h to m/h distances and pulled lids for inspection.
4	06/09/15 - Horton Hill Rd m/h 14-6 had build up from CT Water discharge pipe. Vac out and cleaned m/h.
5	06/10/15 - Vac truck rehab - replaced broken main water on/off valve, fixed air leak on brake line and replaced broken reel lock.
6	06/11/15 - Landscape work at Maple/May and Platts Mill pumpstations.
7	06/15/15 - Checked on pumpstations due to heavy rain.
8	06/17/15 - G&L started the pipe repair crossing RT63. Pipe was collapsing between m/h 7-31 to 7-24.
9	06/19/15 - Vac out and cleaned the septic drop curtain drain. Brought Vac Truck to RT63 dig to vac the line.
10	06/22/15 - Brought Vac Truck to the RT63 dig to vac out the line.
11	06/26/15 - Landscaped all pumpstations. Walked and inspected the Windview / Brook St easement.
12	06/29/15 - Vac out the skimmimgs in the primary tank, 1 load. Replaced all hydro filters on the Vac Truck.
13	06/29/15 - Found storm to sewer cross connection on Manners Rd and documented it.
14	
15	
16	
17	
18	
19	
20	

VEOLIA
WATER

Sent via Fed Ex on July 14, 2015

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

July 14, 2015

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

Dear Sir/Madam:

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

The June 29 and 30th Final Effluent total P analyticals were not available at the time of this report. A revised report will be submitted once the analytical data is received. In addition, the final effluent Ortho P analyticals for June 29 and 30th were not performed. As a result of human error, while the sample was collected and sent to the lab, the Ortho P analysis was not checked off on the COA. The analysis was not reported as it exceeded sample hold times.

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

Upon review of each parameter in the June MOR, we discovered that when we started using the new permit form we had inadvertently copied/pasted values in the wrong column for the Return Sludge data. The confusion was a result of the two Return Sludge columns. For Aeration Tank #1, the % solids was actually the average % solids both aeration tanks. That error has been corrected. We have one return sludge flow meter for the two aeration basins so that return sludge % Flow is correct for basin one. Basin 2 will have the same % Flow value. For Return Sludge #2 the % Flow was actually the % solids for #1, the % solids for aeration tank #2 is correct. All the data was there, unfortunately it was in the wrong column. Attached are MOR's from September 2014 through May 2015 with the corrected information.

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

Sincerely,
Veolia Water North America – Northeast, LLC

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

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

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

Sample month/year June, 2015 | **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	7.8	3.6	5.8	0.468			6,252	70	2.3	1.4	181	1.18	6,984	72	2.2	1.1	181	1.14	3,947	183,672	52,500		61	150	<4
2	7.6	5.3	6.4	0.458			6,408	67	2.2	1.3	160	1.15	7,036	75	2.4	0.9	160	1.35	4,785	180,108	55,750		48		<4
3	6.7	4.2	5.5	0.470			6,020	75	5.0	1.1	184	1.10	7,256	76	5.0	1.1	184	0.65	4,466	178,080	31,500		65		<4
4	6.2	3.8	5.1	0.457			5,600	75	2.3	1.4	205	1.14	6,848	80	2.2	1.2	205	1.07	5,640	172,968	37,500				
5	6.3	3.0	4.8	0.463			5,932	72	2.3	1.3	225	1.01	7,204	74	2.1	1.1	225	1.16	4,615	180,108	50,250				
6	6.0	3.3	4.7	0.457					2.6	0.5	223				2.4	0.0	223		4,615	175,061	11,000				
7	5.7	3.1	4.6	0.446					2.2	0.0	240				1.3	0.0	240		4,615	167,124	1,250				
8	5.6	2.8	4.5	0.473			6,060	71	2.2	1.5	230	1.11	6,776	89	2.1	0.0	230	1.41	5,359	164,760	51,500		130	230	<4
9	6.8	5.7	4.7	0.468			5,152	85	2.3	1.4	219	1.11	6,472	82	2.2	1.2	219	1.29	5,104	163,387	43,500		100		<4
10	7.5	3.1	5.2	0.465			7,192	61	2.2	1.4	163	1.06	9,064	55	2.2	1.0	163	1.18	6,193	168,840	38,250		130		<4
11	5.4	3.0	4.9	0.446			6,240	64	2.2	1.3	189	1.11	7,424	74	2.1	1.2	189	1.22	7,928	189,300	31,750				
12	5.2	1.2	4.2	0.487			5,036	71	2.3	1.4	252	0.79	6,000	73	2.2	0.9	252	0.89	4,287	171,612	50,750				
13	5.7	2.8	4.2	0.517					4.9	1.2	239				4.2	1.2	239		4,287	175,152	5,250				
14	5.4	2.5	4.0	0.523					2.3	1.4	251				2.2	0.9	251		4,287	165,408	0				
15	7.3	2.8	4.8	0.525			6,176	60	2.3	0.5	233	1.01	6,704	60	2.3	1.0	233	1.07	3,539	91,040	21,790		140	120	<4
16	5.8	3.3	4.7	0.528			4,688	85	2.2	1.4	215	1.11	5,116	90	2.2	1.1	215	1.15	3,845	94,584	51,500		130		<4
17	5.7	3.0	4.6	0.535			5,920	61	2.3	1.0	217	1.10	7,388	57	2.3	1.2	217	0.93	3,454	170,976	65,750		120		<4
18	5.7	3.0	4.5	0.504			6,720	53	2.3	1.4	222	1.02	6,588	59	2.2	0.9	222	0.97	3,386	174,370	44,250				
19	5.4	3.0	4.8	0.537			6,136	57	5.0	0.3	221	1.01	6,892	58	5.0	0.6	221	1.02	3,454	170,976	54,300				
20	5.5	2.8	4.6	0.486					3.5	0.2	203				2.4	0.1	203		3,454	175,152	8,500				
21	6.1	2.8	4.8	0.537					2.2	1.4	230				2.2	1.1	230		3,454	173,004	0				
22	6.1	2.9	4.5	0.538			6,092	57	2.4	1.4	236	0.78	7,488	48	2.2	0.8	236	0.84	3,445	61,025	33,790		100	95	<4
23	7.6	2.5	4.7	0.676			5,896	56	3.6	0.4	215	0.98	7,472	48	3.5	0.5	215	0.80	3,786	150,203	32,000		68		<4
24	5.4	2.6	4.4	0.474			4,508	62	2.2	1.4	231	0.86	6,300	54	2.2	1.1	231	0.91	2,259	138,587	43,550		82		<4
25	6.1	3.0	4.5	0.490			6,052	50	4.5	0.2	226	0.98	8,628	41	3.5	0.0	226	0.98	2,501	144,108	31,000				
26	5.3	2.9	4.4	0.486			5,424	70	2.3	1.3	235	0.43	5,752	61	2.2	1.0	235	0.84	1,621	154,872	41,700				
27	5.8	2.7	4.3	0.480					2.2	1.4	167				2.2	1.1	167		1,621	111,540	6,500				
28	6.2	2.9	4.7	0.477					2.2	1.4	279				2.3	0.9	279		1,621	174,024	0				
29	5.5	2.9	4.6	0.490			5,600	63	2.2	1.3	202	1.04	6,400	63	2.1	1.1	202	1.16	2,807	166,416	36,250		150		<4
30	5.3	2.9	4.4	0.488			4,860	76	2.2	1.4	240	1.10	4,772	94	2.2	1.1	240	1.02	2,705	108,764	36,000		120		<4
Total	182.7	93.4	142.23																117,079	4,695,220	967,630				
Ave.	6.1	3.1	4.74	0.495			5,817	66	2.7	1.1	218	1.03	6,844	67	2.5	0.8	1.01	1.05	3,903	156,507	32,254		103	149	4

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

Page 3 of 4 of MOR for Naugatuck WPCF

	Total N			Total N	Low D.O.	pH		Total P			Total P	Ortho P			Temp.		Arsenic		Copper	Nickel		Selenium	
	Inf.	Prim. Eff.	Final Eff.	Eff.	Eff.	Inf.	Eff.	Inf.	Prim. Eff.	Final Eff.	Eff.	Inf.	Prim. Eff.	Final Eff.	Inf.	Eff.	Inf.	Eff.	Eff.	Inf.	Eff.	Inf.	Eff.
Units	mg/l			lb/d	mg/l	S.U.		mg/l			lb/d	mg/l			F		mg/l		mg/l	kg/day		kg/day	
Freq.	Monthly			Mthly	4/wk day	Work Day		Nov-March (Monthly) (April-October) 2/week			Apr - Oct	Nov-March (Monthly) (April - October) 2/week			Work day		Weekly		Mthly	Weekly		Weekly	
1	22.3	33.7	3.8	184	7.0	7.3	6.9	2.51		11.40	551	1.44		11.70	67	76	<0.0040	0.008	0.008	0.11	0.28	0.11	0.11
2	19.5		3.4	181	7.2	7.2	6.8			9.70	519			10.00	64	77							
3	21.0		3.7	170	7.1	7.2	6.8								66	77							
4					7.2	7.2	6.8								65	78							
5					7.2	7.2	6.9								65	78							
6															65								
7															65								
8	33.3		3.8	143	6.7	7.3	6.7			9.70	363			8.45	65	80	<0.0040	0.005		0.10	0.17	0.08	0.12
9	29.6		3.8	149	6.4	7.2	6.7			10.40	409			10.40	65	80							
10	26.6		4.1	178	6.4	7.2	6.7								65	81							
11					6.9	7.1	6.7								67	81							
12					6.7	7.3	6.7								65	82							
13																							
14																							
15	33.3		4.7	188	6.2	7.2	6.7			11.40	459			12.00	65	84	<0.0040	0.006		0.14	0.20	0.09	0.07
16	35.2		4.1	161	6.6	7.3	6.7			11.40	451			10.70	65	78							
17	30.7		4.7	180	6.8	7.3	6.8								68	80							
18					7.5	7.2	6.8								68	80							
19					6.7	7.3	6.7								68	81							
20																							
21																							
22	32.6		4.1	154	6.9	7.4	6.7			10.30	386			10.90	69	82	<0.0040	0.004		0.28	0.18	0.08	0.07
23	28.3		4.7	184	7.0	7.3	6.8			10.30	407			10.40	70	81							
24	25.1		4.4	161	7.2	7.3	6.8								70	80							
25					6.6	7.0	6.8								68	83							
26					6.8	7.4	6.9								71	83							
27																							
28																							
29	29.2		2.5	96	6.4	7.3	6.8								67	83							
30	27.2		2.9	106	6.5	7.3	6.8								68	83							
Total Ave.	28.2	33.7	3.9	160	6.8	7.3	6.8	2.51		10.58	443	1.44		10.57	66.9	80.3	0.0040	0.0058	0.008	0.16	0.21	0.09	0.09

not available until after 15th

not available, not checked off on COA, and beyond sample hold time thus not reported

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

Sludge 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: 7-14-15

7-14-15

June 2015 Sludge data

Source	Gallons	wet tons
Americas Styrenics - VES	6,100	
Ansonia - Synagro	130,000	
Beacon Falls Treatment	136,500	
Bedford Hills	26,000	
Branford WWTP - Synagro	45,500	
Bridgeport - East - Synagro	168,200	
Bridgeport - West - Synagro	643,500	
Bristol		680.3
Casella - Chicopee		232.87
Casella - Glen Cove		292.39
Casella - Huntington		344.49
Casella - Poughkeepsie		272.69
Casella - Suffolk		850.8
Casella - Yorktown Heights		135.42
Chicopee liquid	208,400	
Cranston RI		200.9
Danbury Cake		100.27
East Windsor - Synagro	13,000	
Greenwich - Synagro		20.30
Groton, CT	26,000	
Heritage Village Water	32,500	
Litchfield	65,000	
Lynwood Place	39,000	
Mahopac Sludge & Septic	653,500	
Mystic - Synagro	6,500	
New Canaan - Synagro	65,000	
New Hartford	32,500	
New London, CT	104,000	
New Rochelle		617
Newtown - Synagro	19,500	
North Canaan	65,000	
North Haven	130,000	
Norwalk - Synagro		19.86
Norwalk - Synagro	24,263	
Pawling	123,500	
Pepsi	13,000	
Plainville - PWPC	32,500	
Plymouth	84,500	
Poughkeepsie	455,000	
Redding	6,500	
Rhinebeck WPCF		22.06
Ridgefield - Synagro	87,100	
Seymour Cake		141.08
Southbury	188,500	
Southbury Car Wash	5,000	
Southington	1,300,000	
Stamford		82.63
Stratford	1,066,000	
Thomaston Treatment	58,500	
Torrington	487,500	
Westport	122,147	
Windham	364,000	
Totals:	7,033,710	4013.06

Nutrient Analysis Report

For compliance with General Permit for Nitrogen Discharges

Facility Name: NAUGATUCK TREATMENT Co.
Permit Number: CT0100641

Month: Jun-15
Design Flow: 10.3 MGD

Final Effluent

Plant Name	Sample Date (mm/dd/yyyy)	Average Daily Flow (mgd)	TKN (mg/l)	(Nitrite + Nitrate) (mg/l)	Total Nitrogen (mg/l)	Total Nitrogen (lbs/d)
NAUGATUCK TRE	6/1/2015	5.8	1.17	2.62	3.8	184
NAUGATUCK TRE	6/2/2015	6.42	1.04	2.32	3.4	182
NAUGATUCK TRE	6/3/2015	5.51	1.06	2.6	3.7	170
NAUGATUCK TRE	6/8/2015	4.49	0.97	2.78	3.8	142
NAUGATUCK TRE	6/9/2015	4.72	1.23	2.59	3.8	150
NAUGATUCK TRE	6/10/2015	5.24	0.94	3.14	4.1	179
NAUGATUCK TRE	6/15/2015	4.83	1.29	3.39	4.7	189
NAUGATUCK TRE	6/16/2015	4.74	0.61	3.48	4.1	162
NAUGATUCK TRE	6/17/2015	4.57	1.46	3.23	4.7	179
NAUGATUCK TRE	6/22/2015	4.49	0.63	3.43	4.1	154
NAUGATUCK TRE	6/23/2015	4.74	1.02	3.63	4.7	186
NAUGATUCK TRE	6/24/2015	4.38	1.24	3.15	4.4	161
NAUGATUCK TRE	6/29/2015	4.61	0.65	1.85	2.5	96
NAUGATUCK TRE	6/30/2015	4.42	0.88	2.02	2.9	107
					0	0
					0	0
					0	0
					0	0
					0	0
					0	0
					0	0
					0	0
					0	0
					0	0
					0	0
					0	0
					0	0
					Total Pounds	2241
					Average Pounds	160.0714286

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 7-13-15
J Balart

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 06/01/15 to 06/30/15	**DMR Due Date:**	07/15/15	**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	=	6.1	=	7.8	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						=	6.2					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						=	6.7			=	6.9	12 - SU		01/01 - Daily	GR - GRAB
					Permit Req.						>=	6 INST MIN			<=	9 INST MAX	12 - SU		01/01 - Daily	GR - GRAB
					Value NODI															
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample								=	5	=	5	19 - mg/L		03/07 - Three Per Week	CP - COMPOS
					Permit Req.								<=	30 MO AVG	<=	45 DAILY MX	19 - mg/L		03/07 - Three Per Week	CP - COMPOS
					Value NODI															
00530	Solids, total suspended	G - Raw Sewage Influent	0	--	Sample								=	145.2			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	1	--	Sample								=	0.1			19 - mg/L		03/07 - Three Per Week	CP - COMPOS
					Permit Req.								<=	10 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 7-14-15 [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	=	0.008	=	0.008		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	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	=	0.008	=	0.008		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			
				Sample	=	0.21	=	0.28	01 - kg/d							01/07 - Weekly	CP - COMPOS
01067 Nickel, total [as Ni]	1 - Effluent Gross	0	–	Permit Req.	<=	2.14 MO AVG	<=	3.94 DAILY MX	01 - kg/d							01/07 - Weekly	CP - COMPOS
				Value NODI													
				Sample			=	0.28	01 - kg/d							01/07 - Weekly	CP - COMPOS
01067 Nickel, total [as Ni]	G - Raw Sewage Influent	0	–	Permit Req.				Req Mon DAILY MX	01 - kg/d							01/07 - Weekly	CP - COMPOS
				Value NODI													
				Sample													
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			
				Sample	=	0.94	=	1.05	01 - kg/d							01/07 - Weekly	CP - COMPOS
01092 Zinc, total [as Zn]	1 - Effluent Gross	0	–	Permit Req.	<=	3.79 MO AVG	<=	5.68 DAILY MX	01 - kg/d							01/07 - Weekly	CP - COMPOS
				Value NODI													
				Sample			=	3.69	01 - kg/d							01/07 - Weekly	CP - COMPOS
01092 Zinc, total [as Zn]	G - Raw Sewage Influent	0	–	Permit Req.				Req Mon DAILY MX	01 - kg/d							01/07 - Weekly	CP - COMPOS
				Value NODI													
				Sample													
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			
				Sample	=	0.09	=	0.12	01 - kg/d							01/07 - Weekly	CP - COMPOS
01147 Selenium, total [as Se]	1 - Effluent Gross	0	–	Permit Req.	<=	35 MO AVG	<=	75 DAILY MX	01 - kg/d							01/07 - Weekly	CP - COMPOS
				Value NODI													
				Sample	=	0.09			01 - kg/d							01/07 - Weekly	CP - COMPOS
01147 Selenium, total [as Se]	G - Raw Sewage Influent	0	–	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													
46000 Phenols	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	=	0.04	19 - mg/L	04/01 - Four Per Day	GR - GRAB
				Permit													

50060	Chlorine, total residual	1 - Effluent Gross	0	–	Req.					Req Mon MO AVG	<=	.06 DAILY MX	19 - mg/L	04/01 - Four Per Day	GR - GRAB
					Value										
					NODI										
					Sample										
50060	Chlorine, total residual	T - See Comments	1	–	Permit Req.							Opt Mon DAILY MX	19 - mg/L	01/90 - Quarterly	CP - COMPOS
					Value							9 - Conditional Monitoring - Not Required This Period			
					NODI										
					Sample										
51040	E. coli	1 - Effluent Gross	0	–	Permit Req.				<=	126 AVERAGE	<=	410 INST MAX	13 - #/100mL	03/07 - Three Per Week	GR - GRAB
					Value					A - General Permit Exemption		A - General Permit Exemption			
					NODI										
					Sample										
71900	Mercury, total [as Hg]	T - See Comments	1	–	Permit Req.							Opt Mon DAILY MX	19 - mg/L	01/90 - Quarterly	CP - COMPOS
					Value							9 - Conditional Monitoring - Not Required This Period			
					NODI										
					Sample				=	22	=	79.1	13 - #/100mL	03/07 - Three Per Week	GR - GRAB
74055	Coliform, fecal general	1 - Effluent Gross	0	–	Permit Req.				<=	200 30DA GEO	<=	400 7 DA GEO	13 - #/100mL	03/07 - Three Per Week	GR - GRAB
					Value										
					NODI										
					Sample				=	4	=	4	19 - mg/L	03/07 - Three Per Week	CP - COMPOS
80126	BOD, carbonaceous, 5 day, 5 C	1 - Effluent Gross	1	–	Permit Req.				<=	15 MO AVG	<=	25 DAILY MX	19 - mg/L	03/07 - Three Per Week	CP - COMPOS
					Value										
					NODI										
					Sample				=	103.14			19 - mg/L	03/07 - Three Per Week	CP - COMPOS
80126	BOD, carbonaceous, 5 day, 5 C	G - Raw Sewage Influent	0	–	Permit Req.					Req Mon MO AVG			19 - mg/L	03/07 - Three Per Week	CP - COMPOS
					Value										
					NODI										
					Sample										
80126	BOD, carbonaceous, 5 day, 5 C	T - See Comments	1	–	Permit Req.							Opt Mon DAILY MX	19 - mg/L	01/90 - Quarterly	CP - COMPOS
					Value							9 - Conditional Monitoring - Not Required This Period			
					NODI										
					Sample	=	96.6						23 - %	03/07 - Three Per Week	CA - CALCTD
81011	Solids, suspended percent removal	K - Percent Removal	0	–	Permit Req.	>=	85 MN % RMV						23 - %	03/07 - Three Per Week	CA - CALCTD
					Value										
					NODI										
					Sample	=	96						23 - %	03/07 - Three Per Week	CA - CALCTD
81383	Carbonaceous oxygen demand, % removal	K - Percent Removal	0	–	Permit Req.	>=	85 MN % RMV						23 - %	03/07 - Three Per Week	CA - CALCTD
					Value										
					NODI										
					Sample										
TDA3D	Noael Static 48Hr Acute D. Pulex	T - See Comments	1	–	Permit Req.		Opt Mon MINIMUM						2T - % survival	01/90 - Quarterly	CP - COMPOS
					Value		9 - Conditional Monitoring - Not Required This Period								
					NODI										
					Sample										
TDA6C	Noael Static 48Hr Acute Pimephales	T - See Comments	1	–	Permit Req.		Opt Mon MINIMUM						2T - % survival	01/90 - Quarterly	CP - COMPOS
					Value		9 - Conditional Monitoring - Not Required This Period								
					NODI										

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: 2015-07-14 08:02 (Time Zone: -04:00)

Naugatuck WPCF

Sample month/year September, 2014

Facility ID: 088-001

Permit #: CT0100641

Date received: (stamped)

this page -

	Daily Flow			Primary Sludge			Aeration Tank #1				Return Sludge		Aeration Tank #2				Return Sludge		Waste Sludge	Dry Solids to Incineration	Waste Accepted		CBOD (5-Day)		
	Max.	Min.	Total	Vol.	% solids	wt.	MLSS	SVI	High D.O.	Low D.O.			MLSS	SVI	High D.O.	Low D.O.	% Flow	%Solids			Septic	Indust	Inf.	Prim eff.	Final eff.
Units	mgd			MG		lbs.			mg/l		% Flow	% Solids			mg/l				lbs	lbs	gal	gal	mg/l		
Freq.	Daily			Work Day			Work Day		4/ work day				Work Day		4/Work Day		Work Day		Wk Day	Wk Day	Work Day		3/week		
												corrected						corrected							
1	5.1	1.8	3.5	0.443					2.2	0.9	301				2.5	0.5	301		1,871	103,645	2,450		180	81	<4
2	4.7	2.0	3.7	0.409			6,540	96	2.3	0.7	280	0.82	5,360	106	2.7	1.3	280	0.82	8,371	64,670	41,200		160	120	<4
3	4.5	1.2	3.2	0.426			5,716	115	2.5	1.0	310	0.87	5,460	115	2.4	1.3	310	0.70	6,678	102,721	34,200		190		5
4	5.1	1.4	3.7	0.453			5,936	103	2.5	0.9	272	0.89	5,488	100	2.6	1.6	272	0.77	4,519	147,888	41,000				
5	4.8	1.5	3.4	0.445			5,400	126	2.4	0.8	287	0.94	6,784	81	2.7	1.4	287	0.80	2,960	166,416	51,350				
6	5.0	0.5	3.3	0.534					3.9	1.0	301				4.7	1.2	301		4,441	169,716	7,750				
7	4.8	1.3	3.4	0.466					5.0	1.0	287				5.0	1.1	287		8,141	149,988	2,500				
8	4.4	1.3	3.5	0.468			5,256	124	2.2	0.8	279	0.91	5,428	120	3.0	1.6	279	1.02	9,646	97,022	48,750		230	94	<4
9	4.3	1.5	3.2	0.413			4,676	145	1.8	0.8	291	0.88	5,244	130	4.1	1.7	291	0.78	2,471	158,496	45,000		100		<4
10	4.7	1.5	3.3	0.423			5,164	130	1.8	1.0	292	0.82	5,432	122	2.9	1.7	292	0.85	5,683	137,784	43,000		97		<4
11	4.3	1.6	3.4	0.448			4,920	132	2.0	0.9	308	0.76	5,524	114	2.5	1.6	308	0.94	5,785	167,015	53,450				
12	4.3	1.9	3.4	0.481			6,144	98	4.1	0.9	299	0.75	5,340	103	5.0	1.6	299	0.78	3,905	176,532	49,450				
13	4.9	2.0	3.5	0.511					1.9	0.8	296				2.6	1.4	296		2,603	187,236	5,550				
14	4.9	1.9	3.3	0.485					2.3	1.0	274				2.5	1.5	274		2,603	185,772	0				
15	4.8	1.7	3.3	0.481			6,116	106	2.1	0.9	322	0.91	6,136	98	3.0	2.1	322	0.92	4,670	91,229	48,800		190	110	2
16	4.3	0.7	3.2	0.472			5,148	109	2.0	0.8	299	0.86	5,008	106	5.0	1.6	299	0.66	3,879	102,222	40,450		140		<4
17	4.3	1.5	3.3	0.487			4,528	124	2.0	0.9	295	0.85	6,148	81	2.5	1.2	295	0.68	3,905	142,342	38,500		230		<4
18	6.6	1.7	3.4	0.488			5,312	100	2.2	0.8	222	0.76	4,980	76	2.4	0.9	222	0.66	3,624	137,959	29,950				
19	4.5	1.4	3.3	0.492			4,488	100	5.0	0.9	192	0.93	6,272	91	5.0	0.7	192	0.94	4,772	166,416	51,250				
20	4.9	1.8	3.5	0.471					1.9	0.8	168				3.2	0.4	168		4,772	173,004	3,000				
21	5.2	2.1	3.8	0.471					2.0	1.0	181				2.2	1.1	181		4,772	168,302	54,250				
22	4.8	1.5	3.4	0.507			4,972	86	1.9	0.9	184	0.72	5,736	110	2.2	1.2	184	0.95	4,262	152,832	0		280	95	<4
23	4.6	1.9	3.4	0.458			3,776	93	1.8	0.9	182	0.83	5,424	103	2.3	1.4	182	0.88	4,364	163,680	57,250		100		<4
24	4.7	1.9	3.5	0.468			4,288	107	1.9	0.9	222	0.64	5,256	116	2.2	1.2	222	0.85	3,803	173,004	47,250		190		<4
25	4.7	2.0	3.5	0.501			4,172	117	1.9	0.8	287	0.76	4,408	123	2.7	1.6	287	0.74	3,828	164,760	48,750				
26	4.7	1.9	3.4	0.461			4,524	80	2.1	1.0	286	0.75	4,732	80	2.9	2.0	286	0.66	2,399	166,416	48,950				
27	5.1	1.8	3.5	0.475					3.8	0.9	247				5.0	1.7	247		2,399	180,480	9,000				
28	5.2	1.7	3.4	0.485					3.0	1.8	270				1.7	1.0	270		2,399	71,877	2,000				
29	5.7	1.8	3.4	0.514			4,344	92	4.0	0.8	248	1.06	4,620	87	5.0	2.0	248	0.64	2,892	91,423	33,500		210	75	<4
30	6.2	0.6	4.1	0.502			3,420	94	2.0	0.8	183	0.71	4,228	88	5.0	2.1	183	0.67	2,348	144,168	44,250		130		<4
Total	146.1	47.4	103.04																128,764	4,305,014	982,800				
Ave.	4.9	1.6	3.43	0.471			4,992	108	2.6	0.9	262	0.81	5,381	102	3.3	1.4	0.83	0.80	4,292	143,500	32,760		173	96	4

- no changes

	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	260	89	<5			85.78	2.96	0.030	0.000	0.008			27.20	17.2	0.20	<0.010	<0.010	<0.010	<0.05	<0.05	3.120	42.70	28.50	1.650
2	330	98	<5	0.0	1.7	89.37	2.93	0.040	0.000	0.023	10	<10	25.00	23.4	0.09	0.020		<0.010	<0.01		2.020	42.10		1.550
3	330		<5	0.0	2.2	86.80	3.21	0.040	0.010	0.027	<10	10	26.60		0.20	0.010		<0.010	<0.01		2.800	49.60		1.580
4				0.0	1.7	93.97	3.02	0.050	0.000	0.023	20	10												
5				0.0	2.1	94.12	3.29	0.040	0.020	0.033														
6						86.78	3.19	0.030	0.000	0.010														
7						84.73	2.98	0.050	0.000	0.022														
8	310	120	<5	0.0	1.1	83.43	2.83	0.030	0.000	0.010			28.60		0.18	0.020		<0.010	<0.01		3.220	49.60		1.660
9	79		<5	0.0	1.5	83.07	3.12	0.030	0.000	0.013	20	20	28.00		0.32	0.010		<0.010	<0.01		3.860	39.70		1.770
10	110		<5	0.0	1.8	90.23	3.26	0.040	0.000	0.013	20	20	26.20		0.27	0.020		<0.010	<0.01		3.800	39.50		1.800
11				0.0	2.0	95.06	3.33	0.030	0.000	0.013	30	20												
12				0.0	2.0	86.70	3.10	0.040	0.000	0.013														
13						85.91	2.99	0.040	0.000	0.020														
14						86.55	3.13	0.040	0.000	0.010														
15	230	100	<5	0.0	2.4	88.60	3.19	0.030	0.010	0.020			31.40		0.20	0.020		<0.010	<0.01		3.160	45.20		1.550
16	260		<5	0.0	2.3	86.41	3.26	0.020	0.000	0.008	<10		27.20		0.19	0.020		<0.010	<0.01		2.780	47.60		1.730
17	270		<5	0.0	4.0	88.94	3.28	0.030	0.000	0.010	60		27.20		0.17	0.020		<0.010	<0.01		2.330	46.90		1.420
18				0.0	2.7	92.25	3.22	0.020	0.000	0.007	10													
19				0.0	2.2	83.78	3.06	0.040	0.000	0.028														
20						85.74	2.96	0.020	0.000	0.010														
21						87.83	2.81	0.030	0.000	0.017														
22	200	100	<5	0.0	1.9	93.62	3.28	0.030	0.000	0.010			32.40		0.13	0.170		<0.010	1.08		3.020	44.70		1.730
23	76		<5	0.0	1.3	85.80	3.04	0.040	0.000	0.025	<10		27.40		0.09	0.010		<0.010	<0.01		3.800	38.20		1.890
24	250		<5	0.0	2.3	82.78	2.83	0.030	0.000	0.013	10		27.40		0.13	0.020		<0.010	<0.01		3.800	44.10		1.340
25				0.0	1.4	81.55	2.76	0.020	0.000	0.008														
26				0.0	3.0	83.13	2.91	0.040	0.000	0.008	<10													
27						84.77	2.95	0.040	0.000	0.017														
28						80.36	2.85	0.030	0.000	0.008														
29	370	310	<5	0.0	1.9	83.61	2.96	0.050	0.000	0.025			30.40		0.28	0.020		<0.010	<0.01		3.700	51.80		1.750
30	330		<5	0.0	2.0	86.75	2.56	0.030	0.000	0.018	10		30.30		0.15	<0.010		<0.010	<0.01		4.180	44.50		1.670
Total																								
Ave.	243	136	5	0.0	2.1	86.95	3.04	0.034	0.001	0.016	15	14	28.24	20.3	0.19	0.027	0.010	0.010	0.09	0.05	3.256	44.73	28.50	1.649

no changes

	Total N			Total N	Low D.O.	pH		Total P			Total P	Ortho P			Temp.		Arsenic		Copper	Nickel		Selenium	
	Inf.	Prim. Eff.	Final Eff.	Eff.	Eff.	Inf.	Eff.	Inf.	Prim. Eff.	Final Eff.	Eff.	Inf.	Prim. Eff.	Final Eff.	Inf.	Eff.	Inf.	Eff.	Eff.	Inf.	Eff.	Inf.	Eff.
Units	mg/l			lb/d	mg/l	S.U.		mg/l			lb/d	mg/l			F		mg/l		mg/l	kg/day		kg/day	
Freq.	Monthly			Mthly	4/wk day	Work Day		Nov-March (Monthly) (April-October) 2/week			Apr - Oct	Nov-March (Monthly) (April - October) 2/week			Work day		Weekly		Mthly	Weekly		Weekly	
1	42.8	28.6	4.8	140				5.55		9.95	288	2.38		9.33			<0.0040	0.007	0.013	0.33	0.42	0.13	0.04
2	42.1		3.6	111	6.2	7.3	6.6			9.57	292			8.55	71	86							
3	49.6		4.4	117	6.2	7.4	6.7								71	85							
4					6.7	7.4	6.8								73	81							
5					6.2	7.5	6.8								73	88							
6															73								
7															73								
8	49.6		4.9	143	6.3	7.3	6.7			11.40	336			11.40	72	87	<0.0040	0.007		0.66	0.39	0.13	0.04
9	39.7		5.6	149	6.1	7.2	6.6			11.40	303			11.10	73	85							
10	39.5		5.6	154	6.1	6.9	6.5								70	86							
11					6.0	7.3	6.6								71	84							
12					5.8	7.3	6.5								71	86							
13																							
14																							
15	45.2		4.7	129	6.5	7.3	6.8			11.30	314			9.68	71	87	<0.0040	<0.004		0.50	0.30	0.13	0.04
16	47.6		4.5	120	6.2	7.2	6.6			10.90	289			10.70	73	80							
17	46.9		3.8	101	6.4	7.3	6.7								72	84							
18					6.6	7.2	6.7								72	85							
19					6.3	7.1	6.7								70	85							
20																							
21																							
22	46.0		4.8	136	5.7	7.4	6.6			10.30	294			9.95	71	86	0.0110	0.010		0.90	0.24	0.64	0.06
23	38.2		5.7	162	6.5	7.3	6.6			10.20	288			9.70	71	82							
24	44.1		5.2	152	6.6	7.3	6.6								71	83							
25					7.4	7.3	6.8								71	82							
26					7.0	7.3	6.6								72	85							
27																							
28																							
29	51.8		5.5	156	5.8	7.3	6.5			11.50	325			10.50	70	85	<0.0040	0.006		1.40	0.28	0.13	0.05
30	44.5		5.9	202	6.7	7.2	6.6								69	82							
Total																							
Ave.	44.8	28.6	4.9	141	6.3	7.3	6.6	5.55		10.72	303	2.38		10.10	71.4	84.6	0.0054	0.0068	0.013	0.76	0.33	0.23	0.05

	Zinc		Alkalinity	
			Pri. Eff.	
	Inf.	Eff.		Eff.
Units	kg/day		mg/l	
Freq.	Weekly		Monthly	
1	11.15	0.989		
2			100	60
3			150	30
4			100	60
5			130	40
6				
7				
8	13.14	0.953	150	40
9			130	40
10			130	30
11			140	30
12			130	30
13				
14				
15	11.08	0.912	140	30
16			120	40
17			130	40
18			130	30
19			120	30
20				
21				
22	16.39	0.898	100	30
23			90	40
24			110	50
25			80	80
26			140	50
27				
28				
29	23.01	1.003	150	30
30			120	40
Total				
Ave.	14.95	0.951	123	40

Sludge Disposal Location:

Please return forms to:

DEEP - Water Bureau

ATTN: Municipal Wastewater Monitoring Coordinator

Municipal Facilities

79 Elm Street

Statement of Acknowledgement

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

Authorized Official:

John Batorski

Title:

Plant Manager

Signature: John Batorski

Date: 7-14-15

Revised p.1 only

Naugatuck WPCF

Sample month/year October, 2014

Facility ID: 038-001

Permit #: CT0100641

Date received: (stamped) Revised as noted

	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			corrected	Work Day		4/Work Day		Work Day	corrected	Wk Day	Wk Day	Work Day		3/week		
1	7.8	0.9	4.5	0.502			4,656	79	1.9	0.5	166	0.84	4,700	94			166	1.02	14,240	128,639	37,950		200	140	<4
2	6.6	3.2	4.7	0.405			11,876	46	4.4	0.9	159	0.88					159	0.56	12,127	131,520	40,250				
3	5.7	1.9	3.3	0.471			7,424	96	1.2	1.6	412	1.08					412	0.95	17,269	148,536	32,750				
4	6.0	1.5	3.8	0.462					2.0	0.8	265						265		17,269	139,541	15,250				
5	7.2	1.1	4.3	0.472					1.7	1.1	229						229		17,269	169,680	0				
6	5.5	2.7	4.0	0.425			7,124	94	1.7	1.1	266	1.37					266	0.93	13,696	147,072	50,050		250		<4
7	4.4	2.6	3.4	0.532			7,296	92	5.0	1.1	328	1.30					328	0.98	5,819	152,586	41,950		150		<4
8	4.4	0.1	2.8	0.552			7,336	91	1.7	1.1	393	1.26					393	0.93	0	166,416	51,250		190	140	<4
9	3.6	0.7	2.1	0.543			6,764	81	1.7	1.1	523	1.17					523	0.91	0	166,416	34,950				
10	4.3	0.7	2.7	0.549			4,380	75	5.0	1.1	391	0.66					391	0.39	0	166,416	47,500				
11	5.5	2.1	3.7	0.539					1.8	1.0	289				1.9	0.9	289		0	168,302	6,500				
12	4.8	1.7	3.3	0.555					1.9	1.0	328				1.8	1.1	328		0	166,416	0				
13	6.3	1.7	3.7	0.523			3,132	67	5.0	0.5	312	0.71	3,620	64	5.0	1.0	312	0.46	498	72,061	32,020		190		<4
14	4.7	0.9	3.5	0.676			3,352	60	1.7	1.1	325	0.62	3,576	62	3.3	0.0	325	0.58	510	116,894	35,200		190		<4
15	5.0	1.8	3.5	0.362			3,912	51	1.8	1.0	308	0.79	3,816	58	3.4	0.0	308	0.65	919	139,309	30,500		180	90	<4
16	6.8	3.3	4.9	0.542			2,956	78	1.7	1.1	218	0.79	3,744	59	3.1	0.0	218	0.57	0	176,928	34,300				
17	5.3	2.8	4.2	0.543			3,208	69	1.8	1.0	256	0.74	3,920	56	2.5	0.0	256	0.57	0	182,244	36,500				
18	5.5	2.4	4.1	0.548					5.0	1.0	263				4.5	0.8	263		0	169,716	17,500				
19	5.4	1.6	3.9	0.530					5.0	1.0	296				4.5	0.8	296		0	178,704	3,250				
20	5.8	0.3	3.5	0.537			4,112	56	1.8	0.0	277	0.63	2,280	75	5.0	0.0	277	0.32	0	166,416	41,500		130		<4
21	5.3	2.3	3.9	0.525			3,032	66	1.8	0.9	286	0.60	3,688	54	2.6	1.1	286	0.35	0	174,024	43,250		110		<4
22	4.6	2.1	3.9	0.546			3,812	58	1.9	0.9	291	0.55	2,672	75	3.0	0.2	291	0.45	298	155,259	34,000		140	67	<4
23	5.2	2.5	4.3	0.539			4,540	48	2.0	0.7	243	0.58	3,104	61	2.9	0.1	243	0.40	500	131,520	44,500				
24	5.1	2.5	4.0	0.516			4,164	50	1.9	0.9	294	0.54	3,468	61	2.8	0.3	294	0.45	505	167,124	46,200				
25	6.0	2.4	4.0	0.526					2.1	0.8	239				3.8	0.7	239		505	171,124	10,550				
26	5.5	2.5	4.1	0.516					2.2	0.6	275				3.8	0.0	275		505	192,840	2,000				
27	5.3	2.3	4.0	0.524			2,724	59	5.0	0.7	291	0.67	3,708	59	5.0	0.7	291	0.47	582	175,752	46,500		180		<4
28	5.0	2.3	4.0	0.516			3,012	56	2.3	0.6	264	0.69	3,588	61	5.0	0.9	264	0.59	272	180,900	54,050		150		<4
29	5.2	2.3	4.0	0.532			2,912	62	2.2	0.6	268	0.94	3,532	62	3.4	1.0	268	0.49	0	180,900	51,450		180	100	<4
30	5.8	2.3	4.0	0.527			1,992	50	2.1	0.7	267	0.52	3,484	57	3.2	0.6	267	0.29	0	177,468	32,070				
31	5.8	2.4	3.9	0.527			2,680	63	2.0	0.7	284	0.82	3,144	64	3.2	0.9	284	0.24	361	166,416	50,750				
Total	169.4	59.9	117.87				2,680												103,144	4,927,137	004,490				
Ave.	5.5	1.9	3.80	0.518			4,626	67	2.6	0.9	291	0.70	3,503	64	3.5	0.5	0.82	0.59	3,327	158,940	32,403		172	107	4

no changes

	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	280	140	<5	0.0	2.5	9.89	0.26						27.70	22.8	0.36	<0.010	<0.010	0.030	<0.01	<0.01	4.260	42.40	38.10	1.930
2				0.0	1.9	0.00	0.00																	
3				0.0	3.1	0.00	0.00																	
4						0.00	0.00																	
5						0.00	0.00																	
6	140		<5	0.0	1.9	0.00	0.00						27.40		0.30	<0.010		0.020	<0.01		1.460	54.20		1.570
7	79		<5	0.0	2.5	0.00	0.00						27.30		0.12	<0.010		0.020	<0.01		2.110	44.00		1.520
8	240	140	<5	0.0	1.8	0.00	0.00						26.40		0.23	<0.010		<0.010	<0.01		3.720	44.10		2.060
9				0.0	2.0	0.00	0.00																	
10				0.0	2.2	0.00	0.00																	
11						0.00	0.00																	
12						0.00	0.00																	
13	260		<5	0.0	3.2	0.00	0.00						28.00		0.15	<0.010		<0.010	<0.01		3.420	45.30		1.980
14	290		<5	0.0	3.4	0.00	0.00						26.40		0.22	0.020		<0.010	<0.01		3.620	48.80		2.330
15	270	120	<5	0.0	3.6	0.00	0.00						28.70		0.13	0.010		<0.010	<0.01		2.820	46.50		1.800
16				0.0	5.4	0.00	0.00																	
17				0.0	5.2	0.00	0.00																	
18						0.00	0.00																	
19						0.00	0.00																	
20	190		6	0.0	5.8	0.00	0.00						26.00		0.41	0.010		0.020	<0.01		3.910	41.90		2.290
21	130		8	0.0	4.7	0.00	0.00						25.60		0.29	0.010		0.010	<0.01		2.930	37.30		2.620
22	130	71	<5	0.0	5.3	0.00	0.00						24.00		0.35	0.020		0.020	<0.01		3.230	35.40		2.270
23				0.0	5.4	0.00	0.00																	
24				0.0	4.4	0.00	0.00																	
25						0.00	0.00																	
26						0.00	0.00																	
27	330		<5	0.0	5.0	0.00	0.00						22.60		0.38	0.130		0.020	<0.01		3.980	46.00		2.170
28	420		7	0.0	3.3	0.00	0.00						25.30		0.30	0.010		0.020	<0.01		3.670	41.60		2.210
29	300	120	5	0.0	6.0	0.00	0.00						25.90		0.25	0.220		0.010	0.11		3.450	40.80		2.080
30				0.0	4.3	0.00	0.00																	
31				0.0	3.0	0.00	0.00																	
Total																								
Ave.	235	118	5	0.0	3.7	0.32	0.01						26.25	22.8	0.27	0.037	0.010	0.016	0.02	0.01	3.275	43.72	38.10	2.064

no changes

	Total N			Total N	Low D.O.	pH		Total P			Total P	Ortho P			Temp.		Arsenic		Copper	Nickel		Selenium	
	Inf.	Prim. Eff.	Final Eff.	Eff.	Eff.	Inf.	Eff.	Inf.	Prim. Eff.	Final Eff.	Eff.	Inf.	Prim. Eff.	Final Eff.	Inf.	Eff.	Inf.	Eff.	Eff.	Inf.	Eff.	Inf.	Eff.
Units	mg/l			lb/d	mg/l	S.U.		mg/l			lb/d	mg/l			F		mg/l		mg/l	kg/day		kg/day	
Freq.	Monthly			Mthly	4/wk day	Work Day		Nov-March (Monthly) (April-October) 2/week			Apr - Oct	Nov-March (Monthly) (April - October) 2/week			Work day		Weekly		Mthly	Weekly		Weekly	
1	42.4	38.1	6.2	233	7.1	7.1	6.7	5.06		12.60	471	2.46		11.10	72	81	<0.0040	0.004	0.012	0.76	0.40	0.17	0.08
2					6.7	7.3	6.7								70	82							
3					6.9	7.2	7.1								71	84							
4																							
5																							
6	54.2		3.0	100	6.9	7.2	7.1			5.40	181			5.40		82							
7	44.0		3.6	102	6.9	7.2	7.0									83							
8	44.1		5.8	135	6.7	7.1	6.9			6.83	158			6.90	71	82	<0.0040	0.007		0.32	0.34	0.10	0.07
9					7.0	7.2	6.8								71	85							
10					7.1	7.2	6.7								69	83							
11																							
12																							
13	45.3		5.4	167	7.4	7.3	6.8			13.00	399			12.50	67	82							
14	48.8		6.0	175	7.1	6.4	6.7								80	80							
15	46.5		4.6	134	7.5	7.2	6.7			13.60	395			13.00	71	81	<0.0040	0.006		0.22	0.35	0.13	0.04
16					7.0	7.3	6.7								70	83							
17					6.7	7.1	6.7								69	78							
18																							
19																							
20	41.9		6.2	181	6.8	7.4	6.6			14.20	416			14.00	69	78							
21	37.3		5.6	182	6.8	7.3	6.6								66	78							
22	35.4		5.5	179	6.8	7.3	6.6			13.40	440			13.00	67	81	<0.0040	0.009		0.58	0.28	0.15	0.04
23					6.7	7.4	6.6								67	80							
24					7.0	7.0	6.4								66	78							
25																							
26																							
27	46.1		6.2	207	6.7	7.5	6.8			11.30	372			11.30	69	78							
28	41.6		5.9	197	6.7	7.3	6.7								66	79							
29	41.1		5.5	183	7.1	7.4	6.8			11.80	396			11.50	68	78	<0.0040	0.006		2.13	0.55	0.76	0.16
30					7.0	7.5	6.8								67	81							
31					7.1	7.4	6.8								66	78							
Total																							
Ave.	43.8	38.1	5.3	167	6.9	7.2	6.8	5.06		11.35	359	2.46		10.97	69.2	80.7	0.0040	0.0064	0.012	0.80	0.38	0.26	0.08

	Zinc		Alkalinity	
			Pri. Eff.	
	Inf.	Eff.		Eff.
Units	kg/day		mg/l	
Freq.	Weekly		Monthly	
1	3.08	1.243	120	50
2			100	50
3			120	50
4				
5				
6			90	50
7			100	50
8	2.04	1.302	110	40
9			100	40
10			100	40
11				
12				
13			100	40
14			130	50
15	5.79	0.940	110	50
16			80	50
17			90	40
18				
19				
20			90	40
21			110	30
22	2.25	0.831	90	30
23			130	30
24			100	30
25				
26				
27			90	30
28			120	60
29	18.30	0.982	90	30
30			110	30
31			110	30
Total				
Ave.	6.29	1.060	104	41

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: [signature]

Date: 7-14-15

Revised p.1 only.

Naugatuck WPCF

Sample month/year November, 2014

Facility ID: 088-001

Permit #: CT0100641

Date received: (stamped)

Revisions as noted this page

	Daily Flow			Primary Sludge			Aeration Tank #1				Return Sludge		Aeration Tank #2				Return Sludge		Waste Sludge	Dry Solids to Incineration	Waste Accepted		CBOD (5-Day)		
	Max.	Min.	Total	Vol.	% solids	wt.	MLSS	SVI	High D.O.	Low D.O.			MLSS	SVI	High D.O.	Low D.O.	% Flow	%Solids			Septic	Indust	Inf.	Prim eff.	Final eff.
Units	mgd			MG		lbs.			mg/l		% Flow	% Solids			mg/l				lbs	lbs	gal	gal	mg/l		
Freq	Daily			Work Day			Work Day		4/ work day				Work Day		4/Work Day		Work Day		Wk Day	Wk Day	Work Day		3/week		
												corrected						corrected							
1	5.7	2.5	4.2	0.531					2.0	0.8	260				2.7	0.4	260		541	189,300	13,250				
2	5.3	2.3	4.0	0.535					2.0	0.7	278				3.3	0.5	278		541	185,772	1,500				
3	5.1	2.2	3.9	0.528			3,384	65	2.2	0.7	291	0.69	3,456	61	5.0	1.1	291	0.49	602	163,464	52,250		190	120	<4
4	5.2	2.2	4.0	0.545			3,452	61	2.1	0.7	271	0.57	3,184	69	5.0	0.8	271	0.37	480	155,664	46,200		180		<4
5	5.0	2.0	4.0	0.547			2,836	63	2.2	0.2	270	0.67	3,428	64	3.3	0.5	270	0.56	628	128,892	46,500		200		<4
6	5.2	2.1	4.1	0.542			2,320	69	2.1	0.7	258	0.61	2,784	65	2.6	0.6	258	0.41	217	163,116	33,250				
7	5.2	2.2	4.1	0.532			2,392	71	2.2	0.8	246	0.65	1,576	70	1.9	0.9	246	0.53	0	179,592	42,750				
8	5.3	2.2	3.9	0.551					5.0	0.8	287				5.0	0.9	287		0	169,716	3,500				
9	6.2	1.8	3.8	0.484					2.1	0.8	281				2.2	0.7	281		0	85,406	0				
10	5.1	2.1	3.9	0.461			1,236	73	5.0	0.8	278	0.40	1,780	73	5.0	0.4	278	0.33	0		42,750		250	98	<4
11	5.0	1.4	3.7	0.451			1,800	72	2.4	0.5	286	0.56	3,424	53	2.1	0.8	286	0.40	0	97,500	34,450		210		<4
12	5.2	1.8	3.9	0.423			2,608	65	2.3	0.7	276	0.77	3,176	69	2.3	0.9	276	0.44	515	146,604	44,750		170		<4
13	5.0	2.1	3.9	0.428			1,264	79	5.0	0.7	296	0.47	1,588	76	5.0	1.0	296	0.50	0	166,416	43,300				
14	5.1	2.3	3.9	0.473			2,348	77	2.3	0.8	286	0.60	3,832	65	2.2	0.8	286	0.44	0	169,716	49,500				
15	5.0	1.9	3.7	0.494					2.3	0.6	270				2.3	0.8	270		0	180,900	18,250				
16	5.3	1.7	3.7	0.490					2.3	0.5	322				2.5	1.2	322		0	180,900	1,000				
17	6.4	2.1	4.7	0.522			4,088	53	2.3	0.8	249	0.54	4,892	46	2.6	0.9	249	0.47	516	156,528	36,250		190	100	<4
18	5.4	2.8	4.4	0.469			3,132	73	2.4	0.6	273	0.66	4,604	54	2.3	1.2	273	0.48	242	155,664	34,500		67		<4
19	5.2	2.5	4.2	0.500			4,000	55	2.4	0.6	251	0.44	4,016	62	3.0	1.2	251	0.41	0	154,116	27,000		150		<4
20	5.2	2.6	4.2	0.526			3,688	57	2.5	0.6	252	0.57	4,580	53	2.9	1.3	252	0.55	0	163,642	63,000				
21	5.4	2.1	4.1	0.542			3,648	60	2.4	0.6	303	0.45	4,192	57	2.6	1.0	303	0.57	217	155,322	50,250				
22	5.7	5.4	4.3	0.529					2.4	0.6	233				2.7	0.7	233		347	185,772	23,750				
23	5.6	2.6	4.2	0.534					2.3	0.6	268				2.2	0.8	268		347	187,236	1,500		220	220	<4
24	7.7	2.8	5.3	0.525			3,244	71	2.3	0.6	222	0.79	4,912	65	2.0	0.9	222	0.70	507	168,840	46,000		160		<3
25	6.3	3.4	4.9	0.535			3,800	74	2.4	0.5	226	0.75	5,408	65	2.0	1.0	226	0.79	524	179,184	54,750		110		<4
26	7.0	2.8	5.2	0.228			4,836	52	2.6	0.5	217	0.84	5,656	58	2.1	0.9	217	0.75	1,353	166,145	15,000				
27	7.9	4.0	5.8	0.676					2.3	0.7	194				2.0	0.8	194		1,353	175,989	0				
28	6.0	3.7	5.0	0.374					2.5	0.5	216				2.0	0.9	216		1,353	169,716	14,750				
29	6.4	3.3	4.9	0.530					2.4	0.5	228				2.1	0.8	228		1,353	166,584	0				
30	6.4	2.6	5.1	0.526					2.7	0.5	222				2.3	0.8	222		1,353	163,464	1,000				
Total	170.5	75.5	128.68																12,986	4,711,160	840,950				
Ave.	5.7	2.5	4.29	0.501			3,004	66	2.6	0.6	260	0.56	3,694	63	2.8	0.9	0.61	0.51	433	162,454	28,032		175	135	4

no change

	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						0.00	0.00																	
2						0.00	0.00																	
3	430	160	<5	0.0	2.2	0.00	0.00						24.00	26.4	0.19	0.010	<0.010	<0.010	<0.01	<0.01	2.470	40.70	39.10	1.250
4	320		<5	0.0	2.4	0.00	0.00						22.20		0.14	0.020		<0.010	<0.01		3.140	38.60		1.540
5	570		<5	0.0	2.3	0.00	0.00						25.30		0.09	0.020		<0.010	<0.01		3.240	38.60		1.740
6				0.0	2.5	0.00	0.00																	
7				0.0	3.1	0.00	0.00																	
8						0.00	0.00																	
9						0.00	0.00																	
10	410	79	<5	0.0	3.0	0.00	0.00						25.40		0.12	0.030		<0.010	<0.01		2.380	46.20		1.350
11	510		<5	0.0	2.7	0.00	0.00						29.20		0.34	0.030		0.020	<0.01		2.950	48.80		1.430
12	260		<5	0.0	5.3	0.00	0.00						24.80		0.31	0.020		0.010	<0.01		3.330	40.10		1.870
13				0.0	1.7	0.00	0.00																	
14				0.0	1.8	0.00	0.00																	
15						0.00	0.00																	
16						0.00	0.00																	
17	310	110	<5	0.0	1.5	0.00	0.00						22.40		0.14	0.010		<0.010	<0.01		3.520	38.80		1.710
18	63		<5	0.0	2.5	0.00	0.00						20.40		0.28	0.260		<0.010	0.30		3.500	29.00		1.400
19	180		<5	0.0	1.9	0.00	0.00						23.20		0.12	0.070		<0.010	<0.01		3.160	33.60		1.140
20				0.0	3.1	0.00	0.00																	
21				0.0	2.4	0.00	0.00																	
22						0.00	0.00																	
23	240	140	<5			0.00	0.00						24.20		0.32	0.010		0.010	<0.01		3.680	48.60		1.700
24	370		<5	0.0	2.2	0.00	0.00						19.30		0.06	<0.010		<0.010	<0.01		3.200	31.90		1.400
25	220		<5	0.0	2.1	0.00	0.00						20.90		0.13	0.230		<0.010	0.51		2.390	35.10		1.190
26				0.0	2.2	0.00	0.00																	
27						0.00	0.00																	
28						0.00	0.00																	
29						0.00	0.00																	
30						0.00	0.00																	
Total																								
Ave.	324	122	5	0.0	2.5	0.00	0.00						23.44	26.4	0.19	0.060	0.010	0.011	0.08	0.01	3.080	39.17	39.10	1.477

no changes

	Total N			Total N	Low D.O.	pH		Total P			Total P	Ortho P			Temp.		Arsenic		Copper	Nickel		Selenium	
	Inf.	Prim. Eff.	Final Eff.	Eff.	Eff.	Inf.	Eff.	Inf.	Prim. Eff.	Final Eff.	Eff.	Inf.	Prim. Eff.	Final Eff.	Inf.	Eff.	Inf.	Eff.	Eff.	Inf.	Eff.	Inf.	Eff.
Units	mg/l			lb/d	mg/l	S.U.		mg/l			lb/d	mg/l			F		mg/l		mg/l	kg/day		kg/day	
Freq.	Monthly			Mthly	4/wk day	Work Day		Nov-March (Monthly) (April-October) 2/week			Apr - Oct	Nov-March (Monthly) (April - October) 2/week			Work day		Weekly		Mthly	Weekly		Weekly	
1																							
2																							
3	40.7	39.1	3.7	120	7.8	7.0	6.5	5.09		12.00	388	1.87		11.30	66	74	<0.0040	<0.004	0.009	0.85	0.39	0.73	0.14
4	38.6		4.7	157	7.7	7.1	6.3			11.70	389			11.70	66	77							
5	38.6		5.0	167	7.7	7.3	6.7								69	76							
6					7.5	7.4	6.7								69	78							
7					7.1	7.3	6.6								69	80							
8																							
9																							
10	46.2		3.7	117	7.6	7.3	6.6			10.40	334			10.00	66	75	<0.0040	<0.004		0.23	0.30	0.14	0.03
11	48.8		4.4	136	7.9	7.1	6.7			9.96	309			9.29	65	73							
12	40.1		5.2	169	7.7	6.8	6.8								67	73							
13					7.5	7.5	6.8								64	74							
14					7.5	7.4	6.7								64	74							
15																							
16																							
17	38.8		5.2	204	7.2	7.4	6.6			10.10	393			9.52	64	75	<0.0040	0.006		0.26	0.41	0.88	0.17
18	29.6		4.9	180	7.4	7.5	6.7			9.81	359			9.41	65	75							
19	33.7		4.3	151	7.4	7.3	6.7								64	73							
20					7.8	7.5	6.8								64	72							
21					7.9	7.4	6.8								63	72							
22																							
23	48.6		5.4	189						10.10	357			10.10			<0.0040	0.004		0.17	0.49	0.16	0.05
24	31.9		4.6	203	7.0	7.2	6.6			10.30	456			10.00	65	73							
25	35.8		3.6	147	7.4	7.3	6.7								65	75							
26					8.5	7.3	6.8								63	75							
27																							
28																							
29																							
30																							
Total																							
Ave.	39.3	39.1	4.6	162	7.6	7.3	6.7	5.09		10.55	373	1.87		10.17	65.5	74.7	0.0040	0.0045	0.009	0.38	0.40	0.48	0.10

	Zinc		Alkalinity	
			Pri. Eff.	
	Inf.	Eff.		Eff.
Units	kg/day		mg/l	
Freq.	Weekly		Monthly	
1				
2				
3	5.73	1.134	130	40
4			120	40
5			110	60
6			110	40
7			100	60
8				
9				
10	8.23	1.496	180	30
11			180	50
12			130	50
13			130	40
14			110	50
15				
16				
17	5.81	1.417	110	50
18			100	30
19			80	50
20			120	30
21			90	40
22				
23	2.98	1.130		
24			100	50
25			70	50
26			70	40
27				
28				
29				
30				
Total				
Ave.	5.69	1.294	113	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: [signature]

Date: 7-14-05

Revised p.1 only.

Naugatuck WPCF | **Facility ID: 088-001** | Date received: (stamped) Revisions this page as noted

Sample month/year December, 2014 | **Permit #: CT0100641** | **Page1 of 4 of MOR for Naugatuck WPCF**

	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			corrected	Work Day		4/Work Day		Work Day	corrected	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	0.85	5,428	85	2.9	0.0	171	0.83	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	0.87	5,508	91	5.0	0.0	113	1.13	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	0.56	1,500	87	5.0	0.7	155	1.43	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	0.94	5,576	91	2.2	0.9	224	0.83	3,011	141,660	53,200				
5	6.0	3.0	4.8	0.510			4,992	68	2.1	0.8	220	0.89	7,012	70	2.0	1.0	220	0.80	2,875	168,144	56,000				
6	7.5	3.3	5.8	0.499					2.3	0.8	178				2.1	1.0	178		2,875	175,989	6,000				
7	8.1	5.2	6.7	0.516					2.4	0.6	162				2.2	0.8	162		2,875	174,024	0				
8	7.7	4.2	5.9	0.512			5,096	71	5.0	0.8	186	0.96	7,644	65	5.0	0.9	186	1.12	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	1.06	6,744	73	2.1	0.0	104	1.09	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	1.30	7,644	56	0.0	0.0	108	1.33	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	1.07	5,812	71	3.7	0.0	130	1.23	5,870	175,320	32,450				
12	8.7	6.4	7.6	0.500			4,640	71	2.7	0.8	141	1.03	7,428	55	2.5	1.0	141	0.96	5,079	177,960	48,250				
13	8.7	5.7	7.2	0.504					3.0	0.6	150				2.8	1.1	150		5,079	176,304	5,500				
14	8.5	5.2	6.9	0.569					2.7	0.7	167				2.4	1.3	167		5,079	169,716	2,000				
15	7.5	4.8	6.4	0.507			4,680	62	2.8	0.8	177	0.99	6,664	62	2.3	1.3	177	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	0.84	4,480	67	2.6	1.2	171	0.78	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	173	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	175	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	0.98	6,096	62	2.5	1.2	187	0.81	1,903	164,502	49,000				
20	7.5	4.2	5.8	0.525					3.0	0.8	190				2.5	1.2	190		2,284	182,616	8,800				
21	6.8	3.4	5.6	0.522					3.4	0.9	200				4.2	1.2	200		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	0.89	5,220	73	2.5	1.2	186	0.82	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	193	0.91	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	0.94	5,568	66	2.4	1.2	192	0.67	2,739	168,072	14,750				
25	7.7	4.4	5.9	0.557					2.6	0.9	182				2.3	1.3	182		2,739	201,612	0				
26	8.3	4.4	6.3	0.516			3,076	65	2.9	0.8	133	0.78	5,104	69	2.6	1.2	133		1,327	67,404	19,650				
27	7.2	4.0	5.6	0.506					3.0	0.7	124				2.3	1.1	124		1,327	173,004	4,000				
28	7.5	4.2	5.8	0.505					2.9	0.7	131				2.3	1.2	131		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	1.18	6,348	71	2.6	1.2	108		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	0.95	7,012	56	2.7	1.1	151		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	192	0.91	1,548	141,264	26,000				
Total	240.4	132.7	193.57				5,420												117,517	4,767,661	804,300				
Ave.	7.8	4.3	6.24	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

no changes

	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

no changes

	Total N			Total N	Low D.O.	pH		Total P			Total P	Ortho P			Temp.		Arsenic		Copper	Nickel		Selenium	
	Inf.	Prim. Eff.	Final Eff.	Eff.	Eff.	Inf.	Eff.	Inf.	Prim. Eff.	Final Eff.	Eff.	Inf.	Prim. Eff.	Final Eff.	Inf.	Eff.	Inf.	Eff.	Eff.	Inf.	Eff.	Inf.	Eff.
Units	mg/l			lb/d	mg/l	S.U.		mg/l			lb/d	mg/l			F		mg/l		mg/l	kg/day		kg/day	
Freq.	Monthly			Mthly	4/wk day	Work Day		Nov-March (Monthly) (April-October) 2/week			Apr - Oct	Nov-March (Monthly) (April - October) 2/week			Work day		Weekly		Mthly	Weekly		Weekly	
1	31.1	21.4	4.4	176	7.5	7.4	6.7	3.91		6.32	254	1.03		6.26	62	73	<0.0040	<0.004	0.015	0.12	0.32	0.09	0.04
2	32.1		5.4	243	7.9	7.4	6.7			6.81	308			7.08	61	69							
3	27.8		5.1	208	7.6	7.2	6.6								61	69							
4					7.6	7.4	6.7								59	70							
5					7.8	7.4	6.7								60	71							
6															60								
7															60								
8	23.6		3.3	162	7.5	7.3	6.8			7.50	367			7.50	59	67	<0.0040	<0.004		0.28	0.33	0.11	0.07
9	19.2		3.6	297	7.5	7.3	6.8			7.16	591			7.10	59	69							
10	15.1		6.0	525	6.8	7.1	6.8								58	64							
11					7.0	7.2	6.7								58	64							
12					7.8	7.2	6.7								58	64							
13																							
14																							
15	25.0		4.4	235	7.6	7.2	6.6			4.82	257			4.70	60	68	<0.0040	<0.004		0.50	0.28	0.12	0.07
16	22.3		4.4	228	7.7	7.2	6.5			4.53	236			4.48	60	67							
17	23.6		5.6	299	7.8	7.2	6.8								60	69							
18					7.2	7.2	6.8								59	69							
19					7.5	7.2	6.6								60	69							
20																							
21	26.6		4.8	224						5.63	261			5.60			<0.0040	0.006		0.12	0.29	1.05	0.23
22	26.8		4.5	218	7.4	7.3	6.6			5.70	275			5.70	58	69							
23	25.6		6.0	280	7.7	7.2	6.6								59	67							
24					7.3	7.2	6.6								59	68							
25																							
26					7.4	7.3	6.6								59	69							
27																							
28	26.4		6.0	290						6.73	324			6.65			<0.0040	<0.004		0.09	0.24	1.09	0.21
29	38.0		4.4	209	7.8	7.2	6.6			6.35	301			6.30	58	67							
30	32.2		4.6	215	8.1	7.2	6.6								57	64							
31					8.0	7.2	6.7								59	66							
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	0.0040	0.0044	0.015	0.22	0.29	0.49	0.12

	Zinc		Alkalinity	
			Pri. Eff.	
	Inf.	Eff.		Eff.
Units	kg/day		mg/l	
Freq.	Weekly		Monthly	
1	3.20	1.086	80	40
2			130	50
3			80	50
4			100	40
5			100	50
6				
7				
8	9.37	1.626	70	40
9			70	50
10			60	60
11			70	40
12			70	40
13				
14				
15	7.21	2.483	90	60
16			100	50
17			100	50
18			80	50
19			100	40
20				
21	3.52	2.078		
22			70	30
23			110	40
24			90	40
25				
26			80	40
27				
28	2.16	1.818		
29			60	30
30			90	40
31			90	30
Total				
Ave.	5.09	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: 7-14-15

Revised p.1 only.

Naugatuck WPCF | Facility ID: 088-001 | Date received: (stamped) | Revisions as noted this page only.

Sample month/year January, 2015 | Permit #: CT0100641 | Page1 of 4 of MOR for Naugatuck WPCF

	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		
											corrected						corrected								
1	6.5	3.7	5.2	0.501					2.6	0.6	188				2.4	1.1	188		1,548	135,420	0				
2	6.2	3.5	5.2	0.501			4,124	70	2.9	0.5	197	0.82	5,932	67	2.4	0.9	197	0.95	1,506	139,800	18,750				
3	6.6	3.5	5.2	0.506					2.8	0.7	176				2.3	1.0	176		1,506	174,648	2,500				
4	7.8	3.6	5.8	0.516					2.8	0.7	150				2.5	0.9	150		1,506	118,919	0				
5	6.8	4.0	5.6	0.516			4,620	76	2.9	0.7	184	0.77	5,160	72	2.6	1.1	184	0.83	1,361	68,205	30,000		120	110	<4
6	6.7	3.4	5.5	0.507			3,584	67	2.8	0.7	167	0.83	5,668	74	2.4	0.8	167	0.80	1,387	136,872	27,750		100		<4
7	7.3	4.0	5.5	0.513			4,308	67	2.7	0.7	166	0.91	5,220	77	2.6	0.9	166	0.86	1,506	141,660	34,500		110		<4
8	6.5	3.6	5.3	0.529			3,476	72	2.7	0.7	173	1.02	5,044	71	2.4	1.0	173	0.99	1,282	151,008	7,750				
9	6.1	3.8	5.3	0.533			3,652	66	3.0	0.7	178	1.00	7,420	66	2.5	1.1	178	0.99	846	136,932	6,750				
10	6.3	3.4	5.0	0.519					5.0	0.6	186				5.0	1.1	186		846	138,336	8,200				
11	6.8	3.3	5.1	0.506					2.7	0.8	182				2.5	1.0	182		846	154,116	0				
12	7.3	3.4	5.6	0.511			4,744	63	2.6	0.7	171	0.97	6,668	75	2.4	1.0	171	0.84	770	131,520	5,500		120	110	<4
13	6.3	3.5	5.2	0.508			4,160	65	2.7	0.6	212	1.01	6,740	67	2.5	1.0	212	0.96	838	125,264	27,250		100		<4
14	6.3	3.5	5.2	0.508			3,904	105	2.7	0.7	193	0.87	7,624	60	2.3	1.0	193	0.76	693	138,336	24,000		110		<4
15	6.2	3.6	5.1	0.502			5,828	74	2.7	0.5	238	0.93	6,580	81	2.4	0.9	238	0.80	736	138,336	40,250				
16	6.0	3.6	5.0	0.503			5,948	71	2.5	0.5	192	0.87	4,636	97	2.2	0.9	192	0.73	681	141,264	10,250				
17	6.2	3.1	4.8	0.506					5.0	0.7	230				5.0	0.5	230		681	151,008	1,250				
18	15.3	3.2	6.9	0.508					2.3	0.2	171				2.2	0.4	171		8,167	149,448	0				
19	8.0	1.0	6.4	0.448			5,748	61	4.3	0.2	154	0.94	6,668	70	3.5	0.0	154	0.79	6,255	141,264	23,500		130	83	<4
20	7.5	4.3	6.3	0.505			4,204	61	2.9	0.4	170	0.96	6,324	74	2.5	0.8	170	0.95	812	142,728	22,000		88		<4
21	6.6	4.0	5.6	0.505			3,560	45	2.7	0.5	199	1.01	7,416	59	2.3	1.0	199	0.88	804	152,904	27,000		89		<4
22	6.5	4.0	5.5	0.493			5,008	56	2.8	0.4	198	1.01	6,988	59	2.5	0.4	198	0.76	753	160,344	17,500				
23	6.3	3.7	5.3	0.485			7,028	55	2.7	0.5	212	1.05	8,012	59	2.7	0.9	212	0.97	1,718	154,116	19,250				
24	7.4	4.1	5.7	0.476					2.8	0.3	190				2.8	0.7	190		2,578	169,716	0				
25	7.1	3.6	5.4	0.485					2.8	0.4	207				2.4	0.5	207		2,578	145,608	0		120	130	<4
26	6.0	0.5	4.6	0.482			6,236	74	3.0	0.0	250	0.98	6,416	90	3.0	0.0	250	0.79	2,259	123,048	10,500				
27	6.2	3.7	5.0	0.561			4,628	80	2.9	0.5	222	1.00	5,760	87	2.4	0.8	222	0.74	1,850	124,296	0				
28	6.2	3.5	5.1	0.570			3,556	70	2.7	0.5	207	0.96	4,956	71	2.2	1.0	207	0.79	1,117	134,232	3,250		120		<4
29	6.2	3.4	5.0	0.513			5,288	83	5.0	0.5	212	0.97	6,016	98	5.0	1.2	212	0.82	1,142	139,800	18,250		82		<4
30	6.1	3.6	5.0	0.154			4,544	75	2.6	0.5	213	0.83	5,880	82	2.3	1.0	213	0.84	1,065	126,649	4,450				
31	6.2	3.2	5.0	0.548					2.6	0.5	228				2.6	1.4	228		1,065	126,084	2,000				
Total	213.5	106.3	166.49																50,701	4,311,881	392,400				
Ave.	6.9	3.4	5.37	0.497			4,674	69	3.0	0.5	194	0.89	6,244	74	2.7	0.8	0.94	0.85	1,636	139,093	12,658		107	108	4

no change

	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						0.00	0.00																	
2				0.0	2.1	0.00	0.00																	
3						0.00	0.00																	
4						0.00	0.00																	
5	160	53	<5	0.0	3.2	0.00	0.00						16.10	16.9	0.14	0.140	0.130	<0.010	0.51	1.55	3.360	28.20	24.60	1.470
6	200		<5	0.0	3.0	0.00	0.00						18.20		0.14	0.140		<0.010	0.52		3.880	26.40		1.580
7	230		<5	0.0	5.2	0.00	0.00						19.40		0.17	0.280		<0.010	0.07		3.600	30.00		1.740
8				0.0	2.6	0.00	0.00																	
9				0.0	1.9	0.00	0.00																	
10						0.00	0.00																	
11						0.00	0.00																	
12	200	75	<5	0.0	2.3	0.00	0.00						19.00		0.12	0.090		0.010	0.35		3.600	29.40		1.510
13	230		<5	0.0	2.3	0.00	0.00						18.50		0.16	0.100		0.010	0.40		3.510	28.90		2.040
14	150		<5	0.0	3.4	0.00	0.00						19.00		0.10	0.070		<0.010	0.01		3.350	28.40		1.620
15				0.0	2.8	0.00	0.00																	
16				0.0	2.8	0.00	0.00																	
17						0.00	0.00																	
18						0.00	0.00																	
19	540	110	8	0.0	3.5	0.00	0.00						14.80		1.47	0.160		0.030	0.03		3.180	26.00		3.350
20	190		8	0.0	6.4	0.00	0.00						16.60		0.15	0.110		<0.010	0.38		3.040	27.20		1.990
21	240		6	0.0	4.1	0.00	0.00						13.80		0.13	0.150		<0.010	0.46		2.500	17.30		1.810
22				0.0	3.3	0.00	0.00																	
23				0.0	4.2	0.00	0.00																	
24						0.00	0.00																	
25	240	110	5			0.00	0.00						18.40		0.15	0.210		<0.010	0.93		3.900	41.20		1.760
26				0.0	2.4	0.00	0.00																	
27				0.0	2.1	0.00	0.00																	
28	250		<5	0.0	3.8	0.00	0.00						19.30		0.10	0.040		0.020	<0.01		3.290	32.70		1.730
29	170		6	0.0	2.3	0.00	0.00						16.90		0.13	0.220		0.020	0.68		3.070	26.90		1.490
30				0.0	2.0	0.00	0.00																	
31						0.00	0.00																	
Total																								
Ave.	233	87	6	0.0	3.1	0.00	0.00						17.50	16.9	0.25	0.143	0.130	0.013	0.36	1.55	3.357	28.55	24.60	1.841

no change

	Total N			Total N	Low D.O.	pH		Total P			Total P	Ortho P			Temp.		Arsenic		Copper	Nickel		Selenium	
	Inf.	Prim. Eff.	Final Eff.	Eff.	Eff.	Inf.	Eff.	Inf.	Prim. Eff.	Final Eff.	Eff.	Inf.	Prim. Eff.	Final Eff.	Inf.	Eff.	Inf.	Eff.	Eff.	Inf.	Eff.	Inf.	Eff.
Units	mg/l			lb/d	mg/l	S.U.		mg/l			lb/d	mg/l			F		mg/l		mg/l	kg/day		kg/day	
Freq.	Monthly			Mthly	4/wk day	Work Day		Nov-March (Monthly) (April-October) 2/week			Apr - Oct	Nov-March (Monthly) (April - October) 2/week			Work day		Weekly		Mthly	Weekly		Weekly	
1																							
2					8.0	7.4	6.7								58	66							
3																							
4																							
5	28.9	26.3	4.8	224	8.1	7.3	6.7	3.51		6.73	317	1.38		6.05	57	65	<0.0040	<0.004	0.013	1.36	0.27	0.11	0.04
6	27.1		5.5	248	8.5	7.3	6.6			7.67	349			7.10	57	62							
7	30.4		5.4	248	8.2	7.3	6.6								57	63							
8					8.4	7.3	6.7								56	63							
9					8.4	7.4	6.6								55	62							
10																							
11																							
12	29.8		5.1	238	8.1	7.4	6.6			7.53	350			7.30	54	65	<0.0040	<0.004		0.97	0.50	1.05	0.21
13	29.4		5.6	243	7.6	7.4	6.6			7.58	329			7.45	57	65							
14	28.5		5.0	217	7.7	7.4	6.6								55	64							
15					8.2	7.4	6.6								55	64							
16					8.0	7.5	6.6								57	65							
17																							
18																							
19	26.2		6.6	352	7.3	7.4	6.8			6.51	348			6.40	55	63	<0.0040	<0.004		0.28	0.33	0.12	0.02
20	27.7		5.0	263	7.5	7.4	6.7			5.51	290			5.45	56	63							
21	17.9		4.3	201	7.6	7.4	6.6								57	64							
22					7.7	7.4	6.7								57	64							
23					7.7	7.5	6.7								57	64							
24																							
25	42.3		5.7	257						6.14	276			5.90			<0.0040	0.004		0.08	0.30	0.10	0.04
26					7.9	7.6	6.8								55	67							
27					8.4	7.4	6.8								55	61							
28	32.8		5.0	213	8.1	7.5	6.6			6.62	279			6.40	56	61							
29	27.8		4.6	192	8.2	7.4	6.6								56	61							
30					8.3	7.4	6.6								57	64							
31																							
Total																							
Ave.	29.1	26.3	5.2	241	8.0	7.4	6.7	3.51		6.79	317	1.38		6.51	56.1	63.6	0.0040	0.0040	0.013	0.67	0.35	0.34	0.08

	Zinc		Alkalinity	
			Pri. Eff.	
	Inf.	Eff.		Eff.
Units	kg/day		mg/l	
Freq.	Weekly		Monthly	
1				
2			80	40
3				
4				
5	11.77	1.836	90	40
6			90	30
7			120	40
8			100	40
9			110	40
10				
11				
12	6.44	2.189	80	30
13			90	40
14			120	40
15			100	40
16			110	30
17				
18				
19	5.74	2.206	80	40
20			80	40
21			100	30
22			100	40
23			100	40
24				
25	3.01	1.895		
26			100	40
27			110	60
28			100	50
29			120	50
30			90	40
31				
Total				
Ave.	6.74	2.031	99	40

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: 7-14-15

Revised p.1 only.

Naugatuck WPCF

Sample month/year February, 2015

Facility ID: 088-001

Permit #: CT0100641

Date received: (stamped)

Revisions as noted this page only.

	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		
												corrected						corrected							
1	6.3	3.1	5.0	0.576					2.9	0.5	223				2.3	0.7	223		4,972	144,168	2,850				
2	8.4	3.2	5.1	0.567			6,192	73	2.7	0.7	177	0.94	6,468	93	2.1	0.9	177	0.85	4,568	131,520	0		180	76	<4
3	6.7	0.3	4.5	0.498			5,060	63	2.4	0.7	216	0.87	7,668	86	2.4	1.3	216	1.07	6,601	119,256	11,000		150		<4
4	6.0	3.5	5.0	0.594			5,560	79	2.4	0.7	216	0.75	5,976	94	2.6	1.2	216	0.95	723	105,000	16,250		120		<4
5	5.8	3.5	5.0	0.584			7,012	74	2.7	0.5	181	0.84	6,628	88	2.1	1.1	181	0.88	1,463	116,748	5,500				
6	5.4	2.8	4.6	0.583			5,424	90	2.8	0.7	281	0.83	6,100	77	2.9	1.5	281	0.74	1,336	114,360	7,000				
7	6.0	3.0	4.8	0.595					5.0	0.8	195				5.0	0.0	195		1,336	121,272	1,250				
8	6.4	3.1	4.8	0.612					2.3	0.8	230				3.0	1.1	230		1,336	121,272	0				
9	5.8	3.3	4.7	0.606			2,976	50	2.3	0.9	231	0.71	6,152	55	4.2	1.4	231	0.65	0	116,664	0		180	110	<4
10	5.5	3.3	4.7	0.618			4,772	66	2.4	0.8	224	0.60	4,880	45	3.5	2.0	224	0.65	0	111,098	6,750		140		<4
11	5.6	3.1	4.6	0.611			4,312	60	2.2	5.0	253	0.67	5,132	59	0.9	2.4	253	0.75	483	109,704	19,750		130		<4
12	4.9	3.3	4.9	0.599			2,088	72	2.2	0.9	212	0.65	4,348	62	4.1	1.0	212	0.70	459	108,333	4,500				
13	5.5	3.3	4.6	0.597			3,484	69	3.4	0.7	232	0.67	4,932	58	2.7	1.0	232	0.65	449	89,959	2,700				
14	6.0	3.3	4.8	0.599					2.0	0.9	222				2.3	0.9	222		449	126,084	0				
15	6.0	3.3	4.7	0.587					2.3	0.8	205				2.2	0.7	205		449	131,520	0				
16	6.0	3.1	4.7	0.580			3,900	82	5.0	0.8	255	0.62	3,896	77	5.0	0.0	255	0.64	429	132,516	3,000		150	170	<4
17	5.7	2.9	4.7	0.587			3,284	73	2.2	0.8	231	0.73	7,080	85	3.0	0.3	231	0.96	1,186	170,268	2,250		120		<4
18	5.5	3.1	4.7	0.576			5,060	93	2.4	0.8	233	0.93	6,244	98	2.1	1.0	233	0.86	1,751	138,480	15,750		120		<4
19	5.5	3.0	4.6	0.532			5,544	85	2.1	0.9	225	0.92	5,900	85	2.2	0.9	225	0.87	2,284	123,372	4,250				
20	5.8	2.6	4.6	0.493			6,912	82	2.3	0.8	230	1.01	6,432	81	2.1	0.7	230	0.96	3,352	127,723	3,500				
21	7.4	3.1	5.3	0.539					2.4	0.8	164				2.5	0.9	164		4,190	81,005	1,950				
22	6.0	0.8	4.2	0.560					2.4	0.8	231				2.8	0.8	231		4,190	129,300	0				
23	6.7	2.4	4.6	0.559			5,828	93	5.0	0.3	255	0.95	6,728	101	5.0	0.8	255	0.78	4,415	112,108	3,000		110	66	<4
24	5.8	3.1	4.7	0.548			5,356	103	2.4	0.7	177	0.94	5,732	108	2.9	1.0	177	1.05	5,079	134,232	6,000		110		<4
25	5.9	3.2	4.8	0.563			5,496	106	2.6	0.7	246	1.03	6,664	83	2.5	1.2	246	0.84	5,409	87,970	9,750		120		<4
26	6.8	2.9	4.7	0.533			5,788	95	2.4	0.8	225	0.97	6,236	96	3.0	1.9	225	0.87	5,870	128,892	1,000				
27	5.7	3.1	4.6	0.572			5,692	88	2.6	0.8	251	0.96	5,824	77	2.9	0.3	251	0.68	2,651	137,784	9,600				
28	6.0	3.0	4.7	0.597					2.4	0.7	230				2.2	0.9	230		2,790	128,892	1,000				
Total	169.1	81.7	132.39																68,218	3,399,499	138,600				
Ave.	6.0	2.9	4.73	0.574			4,987	80	2.7	0.9	223	0.82	5,951	80	2.9	1.0	0.83	0.82	2,436	121,411	4,950		136	106	4

no changes

	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						0.00	0.00																	
2	240	81	<5	0.0	2.6	0.00	0.00						21.10	19.6	0.10	0.240	<0.010	0.010	1.30	<0.01	3.070	34.40	27.60	1.320
3	200		<5	0.0	2.5	0.00	0.00						18.50		0.14	0.280		0.010	1.74		3.430	30.80		1.380
4	230		7	0.0	3.7	0.00	0.00						16.70		0.15	0.440		0.020	1.22		3.370	33.70		1.910
5				0.0	2.9	0.00	0.00																	
6				0.0	2.8	0.00	0.00																	
7						0.00	0.00																	
8						0.00	0.00																	
9	290	76	7	0.0	3.6	0.00	0.00						18.70		0.19	0.230		0.020	0.82		3.420	38.70		1.940
10	250		<5	0.0	4.1	0.00	0.00						19.00		0.17	0.440		0.020	0.46		3.210	38.40		1.720
11	250		6	0.0	3.7	0.00	0.00						16.10		0.48	0.210		0.020	1.26		2.700	33.90		1.890
12				0.0	3.5	0.00	0.00																	
13				0.0	5.5	0.00	0.00																	
14						0.00	0.00																	
15						0.00	0.00																	
16	300	130	<5	0.0	2.4	0.00	0.00						17.70		0.66	0.500		0.050	1.53		4.150	34.40		2.520
17	200		8	0.0	6.5	0.00	0.00						15.40		0.59	0.430		0.060	1.57		3.760	29.50		2.690
18	210		<5	0.0	4.0	0.00	0.00						14.70		0.26	0.270		0.040	1.09		3.100	30.60		2.040
19				0.0	3.1	0.00	0.00																	
20				0.0	3.6	0.00	0.00																	
21						0.00	0.00																	
22						0.00	0.00																	
23	86	48	<5	0.0	2.7	0.00	0.00						19.00		0.92	0.010		0.040	<0.02		4.650	29.80		2.420
24	57		<5	0.0	2.2	0.00	0.00						21.70		0.12	0.280		0.020	0.08		4.210	31.00		1.280
25	110		<5	0.0	2.8	0.00	0.00						21.20		0.24	0.160		0.030	0.03		4.240	33.70		1.580
26				0.0	2.5	0.00	0.00																	
27				0.0	2.4	0.00	0.00																	
28						0.00	0.00																	
Total																								
Ave.	202	84	6	0.0	3.4	0.00	0.00						18.32	19.6	0.34	0.291	0.010	0.028	0.93	0.01	3.609	33.24	27.60	1.891

no changes

	Total N			Total N	Low D.O.	pH		Total P			Total P	Ortho P			Temp.		Arsenic		Copper	Nickel		Selenium	
	Inf.	Prim. Eff.	Final Eff.	Eff.	Eff.	Inf.	Eff.	Inf.	Prim. Eff.	Final Eff.	Eff.	Inf.	Prim. Eff.	Final Eff.	Inf.	Eff.	Inf.	Eff.	Eff.	Inf.	Eff.	Inf.	Eff.
Units	mg/l			lb/d	mg/l	S.U.		mg/l			lb/d	mg/l			F		mg/l		mg/l	kg/day		kg/day	
Freq.	Monthly			Mthly	4/wk day	Work Day		Nov-March (Monthly) (April-October) 2/week			Apr - Oct	Nov-March (Monthly) (April - October) 2/week			Work day		Weekly		Mthly	Weekly		Weekly	
1																							
2	35.9	27.6	4.4	187	7.8	7.4	6.6	4.80		7.10	303	2.00		7.10	53	65	<0.0040	<0.004	0.011	0.11	0.32	0.10	0.04
3	32.8		4.8	180	7.8	7.5	6.5			7.29	271			7.20	54	65							
4	35.4		5.3	221	7.7	7.4	6.5								55	65							
5					7.4	7.5	6.5								55	65							
6					7.6	7.5	6.6								55	65							
7															55								
8																							
9	39.8		5.4	212	8.0	7.5	6.7			7.00	276			7.00	55	62	<0.0040	<0.004		0.25	0.28	0.09	0.04
10	39.3		5.0	196	8.2	7.5	6.8			7.00	274			6.75	56	62							
11	35.4		4.6	176	7.9	7.6	6.7								56	62							
12					7.8	7.5	6.7								56	63							
13					8.0	7.6	6.7								55	61							
14																							
15																							
16	36.4		6.7	263	7.8	7.6	6.6			9.41	368			9.00	55	60	<0.0040	<0.004		0.17	0.21	0.26	0.03
17	31.5		6.5	255	7.6	7.6	6.6			9.69	377			9.40	55	64							
18	32.0		5.2	199	8.4	7.6	6.7								55	64							
19					7.9	7.5	6.7								57	66							
20					7.6	7.5	6.6								55	64							
21																							
22																							
23	29.8		7.1	272	7.8	7.7	6.6			7.22	274			7.20	54	65	<0.0040	<0.004		0.20	0.20	0.09	0.03
24	31.4		5.5	216	7.7	6.9	6.6			7.43	291			6.85	54	65							
25	33.9		5.8	232	7.5	7.6	6.6								56	67							
26					7.9	7.5	6.7								53	66							
27					7.8	7.6	6.6								55	66							
28																							
Total																							
Ave.	34.5	27.6	5.5	217	7.8	7.5	6.6	4.80		7.77	304	2.00		7.56	54.9	64.0	0.0040	0.0040	0.011	0.18	0.25	0.13	0.04

	Zinc		Alkalinity	
			Pri. Eff.	
	Inf.	Eff.		Eff.
Units	kg/day		mg/l	
Freq.	Weekly		Monthly	
1				
2	3.11	2.008	80	40
3			120	30
4			120	30
5			110	40
6			100	40
7				
8				
9	6.13	1.873	110	40
10			110	40
11			140	30
12			120	40
13			130	30
14				
15				
16	4.84	1.510	120	60
17			120	50
18			110	60
19			110	70
20			100	60
21				
22				
23	3.92	1.650	100	40
24			130	40
25			140	40
26			130	40
27			140	40
28				
Total				
Ave.	4.50	1.760	117	43

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: 7-14-15

Revised p.1 only.

Naugatuck WPCF

Sample month/year March, 2015

Facility ID: 088-001

Permit #: CT0100641

Date received: (stamped) Revision this page as noted

	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			corrected	Work Day		4/Work Day		Work Day corrected		Wk Day	Wk Day	Work Day		3/week		
1	6.0	3.1	4.7	0.614					2.5	0.8	204				2.4	1.0	204		4,185	138,336	4,000				
2	5.9	3.1	4.6	0.599			9,908	51	5.0	0.9	244	1.05	7,196	79	5.0	1.0	244	0.82	3,182	131,520	4,500		220	110	<4
3	6.0	3.1	4.7	0.613			5,956	67	2.8	0.8	229	1.12	8,372	61	2.5	1.0	229	0.74	3,165	135,420	18,250		120		<4
4	6.8	3.9	5.6	0.612			5,684	77	2.4	0.7	193	1.14	7,000	81	2.2	1.1	193	0.97	3,590	119,256	8,750		130		<4
5	6.3	3.9	5.3	0.613			6,940	62	2.7	0.8	196	1.14	6,956	101	2.3	1.2	196	0.76	1,212	82,624	1,500				
6	6.1	3.6	4.9	0.637			5,456	84	2.8	0.5	207	1.24	6,656	87	2.7	0.9	207	0.81	0	21,656	8,200				
7	7.0	3.8	5.3	0.676					3.1	0.4	194				3.2	1.0	194		0		3,900				
8	6.5	3.4	5.2	0.684					3.2	0.5	194				4.2	1.1	194		0		0				
9	6.6	3.5	5.2	0.633			6,260	102	3.4	0.4	204	1.06	6,568	99	5.0	2.0	204	0.76	0		12,500		100	93	<4
10	6.9	4.0	5.7	0.631			5,944	106	3.3	0.5	186	1.14	6,156	102	3.1	0.9	186	0.80	1,444		20,500		85		<4
11	8.7	4.5	6.6	0.598			6,320	103	3.0	0.3	172	1.22	6,160	102	2.7	1.0	172	0.79	3,420		8,750		83		<4
12	7.8	5.0	6.8	0.607			6,236	101	3.4	0.2	137	1.00	6,564	99	3.0	0.9	137	1.33	3,964		13,750				
13	7.5	4.8	5.6	0.601			5,588	104	3.6	0.2	174	1.06	6,360	104	3.9	1.4	174	1.18	13,624		12,700				
14	9.4	4.7	5.5	0.540					2.3	0.2	189				3.9	1.0	189		17,150	102,119	0				
15	9.7	6.5	7.6	0.453					5.0	0.9	132				5.0	1.3	132		20,484	147,072	0				
16	9.2	6.4	8.0	0.452			5,156	95	2.7	1.0	117	0.95	6,136	108	2.7	1.2	117	1.24	3,726	135,420	24,050		35	45	<4
17	10.3	6.7	8.6	0.532			5,656	74	2.8	0.8	117	0.94	7,308	78	2.4	1.3	117	1.37	3,685	141,264	15,500		43		<4
18	9.9	7.2	8.6	0.510			4,240	94	3.0	1.0	113	1.08	6,164	81	2.4	1.3	113	1.20	18,426	134,649	33,750		40		<4
19	9.3	6.3	7.9	0.448			3,612	122	2.9	0.3	128	0.80	4,936	128	2.5	1.2	128	1.18	1,684	135,420	6,750				
20	10.5	5.9	7.6	0.579			5,844	86	3.4	0.4	145	1.08	7,168	86	2.6	0.9	145	0.99	4,402	142,355	8,250				
21	9.2	5.7	7.4	0.542					2.8	0.8	144				2.5	1.0	144		5,283	144,768	1,000				
22	8.8	5.7	7.2	0.544					2.7	0.9	132				2.5	0.9	132		5,283	151,008	0				
23	8.2	5.3	7.1	0.541			3,764	77	5.0	0.8	148	1.04	6,568	93	5.0	1.2	148	1.01	1,962	138,336	29,500		77	97	<4
24	8.3	5.5	7.1	0.586			5,488	78	2.6	0.8	83	1.04	7,028	84	2.5	1.0	83	0.97	1,710	147,888	20,500		69		<4
25	8.2	5.5	7.1	0.561			5,820	66	2.6	0.8	347	1.12	7,256	81	2.5	1.2	347	1.25	2,016	151,584	22,250		57		<4
26	9.1	5.5	7.5	0.469			5,656	87	2.6	1.0	130	1.11	6,816	85	2.5	1.1	130	1.27	3,037	147,888	11,250				
27	10.3	7.2	8.9	0.446			6,208	70	2.8	0.8	120	1.12	7,192	82	2.6	1.3	120	1.31	6,201	158,184	19,200				
28	10.1	7.3	8.6	0.457					2.8	0.9	128				2.6	0.8	128		6,201	169,848	1,000				
29	9.3	6.3	7.8	0.427					2.7	0.8	122				2.4	1.1	122		10,336	174,024	1,500				
30	9.0	6.1	7.8	0.396			4,408	82	2.8	1.0	144	1.10	6,656	90	2.5	1.1	144	1.11	5,875	165,408	29,750		74		<4
31	8.9	6.2	7.8	0.426			3,756	77	2.8	0.9	134	1.22	7,872	76	2.3	1.1	134	1.09	7,860	163,116	12,300		54		<4
Total	255.8	159.7	208.12				3,756												163,107	3,279,163	353,850				
Ave.	8.3	5.2	6.71	0.549			5,632	85	3.1	0.7	165	1.06	6,777	90	3.0	1.1	1.08	1.04	5,262	136,632	11,415		85	86	4

no changes

	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						0.00	0.00																	
2	310	82	<5	0.0	2.2	0.00	0.00						22.60	19.5	0.15	0.010	<0.010	0.020	<0.02	<0.02	2.800	38.50	28.20	1.250
3	260		<5	0.0	5.2	0.00	0.00						21.90		0.08	0.010		0.030	<0.02		2.990	35.90		1.330
4	170		<5	0.0	4.3	0.00	0.00						19.60		<0.05	0.020		0.030	<0.02		3.430	29.80		1.360
5				0.0	2.4	0.00	0.00																	
6				0.0	2.8	0.00	0.00																	
7						0.00	0.00																	
8						0.00	0.00																	
9	190	71	<5	0.0	2.9	0.00	0.00						19.50		0.09	0.130		0.020	0.44		3.540	31.10		1.210
10	110		<5	0.0	4.3	0.00	0.00						18.70		0.26	<0.010		0.040	<0.02		3.540	27.40		1.720
11	160		7	0.0	4.5	0.00	0.00						14.90		0.71	0.170		0.050	0.51		3.410	23.00		2.380
12				0.0	4.3	0.00	0.00																	
13				0.0	6.8	0.00	0.00																	
14						0.00	0.00																	
15						0.00	0.00																	
16	26	36	<5	0.0	2.9	0.00	0.00						10.30		0.08	0.120		0.010	1.05		2.840	13.80		0.980
17	58		6	0.0	2.5	0.00	0.00						8.02		0.08	0.130		<0.010	0.96		2.550	11.90		1.080
18	38		<5	0.0	4.3	0.00	0.00						10.30		0.06	0.120		0.020	1.01		2.310	15.50		1.060
19				0.0	4.6	0.00	0.00																	
20				0.0	8.8	0.00	0.00																	
21						0.00	0.00																	
22						0.00	0.00																	
23	150	56	<5	0.0	1.6	0.00	0.00						10.60		0.07	0.120		<0.010	0.59		2.300	16.90		1.050
24	100		<5	0.0	4.7	0.00	0.00						13.50		<0.05	0.110		<0.010	0.56		2.650	20.50		1.070
25	120		<5	0.0	3.0	0.00	0.00						13.30		<0.05	0.110		0.010	0.40		2.610	19.10		1.220
26				0.0	3.2	0.00	0.00																	
27				0.0	3.5	0.00	0.00																	
28						0.00	0.00																	
29						0.00	0.00																	
30	150		<5	0.0	3.5	0.00	0.00						10.70		<0.05	0.160		<0.010	0.49		2.490	18.00		1.010
31	43		<5	0.0	2.2	0.00	0.00						10.30		<0.05	0.130		<0.010	0.69		2.950	15.90		1.190
Total																								
Ave.	135	61	5	0.0	3.8	0.00	0.00						14.59	19.5	0.13	0.096	0.010	0.020	0.48	0.02	2.886	22.66	28.20	1.279

no changes

	Total N			Total N	Low D.O.	pH		Total P			Total P	Ortho P			Temp.		Arsenic		Copper	Nickel		Selenium	
	Inf.	Prim. Eff.	Final Eff.	Eff.	Eff.	Inf.	Eff.	Inf.	Prim. Eff.	Final Eff.	Eff.	Inf.	Prim. Eff.	Final Eff.	Inf.	Eff.	Inf.	Eff.	Eff.	Inf.	Eff.	Inf.	Eff.
Units	mg/l			lb/d	mg/l	S.U.		mg/l			lb/d	mg/l			F		mg/l		mg/l	kg/day		kg/day	
Freq.	Monthly			Mthly	4/wk day	Work Day		Nov-March (Monthly) (April-October) 2/week			Apr - Oct	Nov-March (Monthly) (April - October) 2/week			Work day		Weekly		Mthly	Weekly		Weekly	
1																							
2	38.5	28.2	4.1	157	8.1	7.6	6.8	6.28		8.10	313	2.37		8.10	55	64	<0.0040	0.007	0.012	0.12	0.26	0.09	0.05
3	35.9		4.4	172	8.2	7.1	6.7			8.42	332			8.40	55	63							
4	29.8		4.8	224	7.6	7.5	6.6								55	65							
5					8.1	7.4	6.6								58	65							
6					8.4	8.0	6.6								58	64							
7															58								
8																							
9	31.7		4.8	208	9.0	7.5	6.8			4.82	210			4.88	52	56	<0.0040	<0.004		0.39	0.25	0.10	0.02
10	27.4		5.3	252	8.9	7.4	6.8			4.56	216			4.39	53	54							
11	23.7		5.8	319	8.6	7.3	6.8								52	54							
12					8.7	7.2	6.7								52	52							
13					9.0	7.3	6.7								52	50							
14																							
15																							
16	15.0		3.8	254	7.7	7.3	6.4			4.20	279			4.20	50	59	<0.0040	<0.004		0.44	0.27	0.15	0.06
17	13.0		3.6	258	7.2	7.2	6.4			4.73	340			4.52	53	62							
18	16.6		3.4	244	6.9	7.1	6.4								53	65							
19					7.0	7.2	6.4								53	63							
20					7.1	7.2	6.5								52	62							
21																							
22																							
23	17.6		3.4	201	7.2	7.2	6.6			4.00	237			4.00	54	62	<0.0040	<0.004		0.24	0.26	0.13	0.08
24	21.2		3.7	219	7.4	7.3	6.7			4.94	294			4.50	54	63							
25	19.6		3.8	225	7.7	7.3	6.7								56	64							
26					7.8	7.2	6.6								55	64							
27					7.5	7.2	6.6								54	64							
28																							
29																							
30	18.7		3.5	228	7.6	7.1	6.5								53	63							
31	16.7		4.2	273	7.4	7.2	6.4								53	66							
Total																							
Ave.	23.2	28.2	4.2	231	7.9	7.3	6.6	6.28		5.47	277	2.37		5.37	53.4	61.2	0.0040	0.0048	0.012	0.30	0.26	0.12	0.05

	Zinc		Alkalinity	
			Pri. Eff.	
	Inf.	Eff.		Eff.
Units	kg/day		mg/l	
Freq.	Weekly		Monthly	
1				
2	5.89	1.850	100	40
3			120	40
4			90	40
5			150	50
6			100	30
7				
8				
9	4.09	1.874	100	60
10			140	40
11			110	60
12			110	50
13			90	50
14				
15				
16	1.86	2.743	70	40
17			80	40
18			100	30
19			80	40
20			100	40
21				
22				
23	2.54	2.466	80	30
24			90	40
25			90	40
26			80	40
27			80	40
28				
29				
30			110	60
31			70	40
Total				
Ave.	3.60	2.233	97	43

Sludge Disposal Location:

Please return forms to:

DEEP - Water Bureau

ATTN: Municipal Wastewater Monitoring Coordinator

Municipal Facilities

79 Elm Street

Statement of Acknowledgement

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

Authorized Official:

John Batorski

Title:

Plant Manager

Signature: John Batorski

Date: 7-14-15

Revised pl only.

Naugatuck WPCF | **Facility ID: 088-001** | Date received: (stamped) ~~[illegible]~~

Sample month/year April, 2015 | **Permit #: CT0100641** | **Page1 of 4 of MOR for Naugatuck WPCF**

	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			corrected	Work Day		4/Work Day		Work Day	corrected	Wk Day	Wk Day	Work Day		3/week		
1	10.3	6.0	8.1	0.420			4,792	73	5.0	0.9	108	1.13	6,788	88	5.0	1.3	108	1.17	13,696	108,410	19,000		60	76	<4
2	8.5	3.1	7.5	0.384			2,668	90	2.7	1.0	99	1.22	5,692	111	3.0	1.3	99	1.16	12,148	151,584	17,750				
3	10.2	6.3	8.0	0.420			4,040	87	2.8	1.0	94	1.13	6,124	87	2.4	1.1	94	1.27	12,250	167,124	26,450				
4	10.3	6.8	8.5	0.429					5.0	0.2	87				5.0	0.5	87		12,250	138,736	5,000				
5	10.4	6.3	8.3	0.426					2.8	1.0	84				2.5	1.1	84		12,250	163,680	0				
6	9.1	3.2	7.1	0.412			3,692	87	2.7	1.0	102	0.85	5,140	95	2.6	1.1	102	1.41	5,287	153,228	29,000		70		<4
7	10.3	4.8	7.9	0.469			3,800	87	2.6	1.0	129	0.67	5,192	91	2.7	1.0	129	1.12	609	131,412	16,500		49		<4
8	9.3	2.5	7.7	0.452			4,168	82	2.5	1.0	137	0.95	5,364	80	2.5	1.0	137	0.89	1,565	144,768	28,500		57	67	<4
9	8.8	6.3	7.9	0.444			4,904	84	2.6	0.8	131	0.99	5,772	88	2.8	1.1	131	1.40	4,066	162,316	46,750				
10	9.8	6.2	8.2	0.447			4,328	83	2.6	0.9	140	1.04	5,712	88	2.6	0.8	140	0.85	2,412	168,084	37,200				
11	9.8	6.6	8.0	0.193					5.0	1.1	128				5.0	1.1	128		2,412	165,731	13,400				
12	9.8	6.1	7.5	0.440					2.7	0.9	141				2.4	1.2	141		2,412	168,084	0				
13	8.4	6.0	7.3	0.449			5,028	78	2.7	0.9	147	1.03	5,212	84	2.5	1.2	147	1.30	2,973	169,848	33,750		49		<4
14	8.5	5.9	7.3	0.447			6,820	63	2.3	1.2	141	1.08	6,880	70	2.4	1.1	141	1.40	3,165	166,416	30,000		49		<4
15	8.5	5.6	7.1	0.450			5,724	79	2.4	0.9	155	1.21	7,040	74	2.3	1.2	155	1.03	2,858	156,528	49,250				
16	8.0	5.2	6.7	0.455			6,164	83	5.0	0.2	158	1.14	7,120	79	2.2	0.2	158	1.05	2,794	154,116	52,750		150	200	<4
17	8.3	4.8	7.0	0.454			6,888	81	2.4	0.8	152	1.24	6,312	90	2.4	1.2	152	1.01	2,871	159,828	53,750				
18	7.8	5.1	6.5	0.458					2.2	1.4	163				2.2	1.3	163		2,871	155,664	14,950				
19	7.8	4.5	6.4	0.447					2.2	1.4	174				2.4	1.4	174		3,828	151,297	2,000				
20	9.5	4.7	7.5	0.445			7,568	75	5.0	1.2	149	1.33	6,676	90	5.0	1.4	149	1.31	19,651	144,295	26,800		55		<4
21	10.0	7.5	8.7	0.364			5,864	90	2.5	1.1	120	1.29	6,660	83	2.3	1.3	120	1.46	17,545	141,660	51,500		61		<4
22	10.5	6.6	8.3	0.424			5,788	88	2.4	0.9	124	1.19	6,372	89	2.3	1.2	124	1.53	9,255	163,680	48,000		45	74	<4
23	9.3	6.6	7.8	0.447			5,460	90	2.5	1.0	129	1.16	6,444	87	2.4	1.1	129	1.26	8,235	169,848	30,750				
24	9.3	5.8	7.4	0.433			6,724	73	2.5	1.2	144	1.09	7,092	83	2.4	1.0	144	1.39	6,329	156,328	41,500				
25	8.3	5.7	6.9	0.195					5.0	1.2	146				5.0	0.9	146		6,329	155,485	14,250				
26	8.2	5.4	6.7	0.417					2.5	1.1	153				2.3	1.1	153		6,329	168,084	0				
27	9.2	5.1	6.9	0.432			5,604	107	2.4	1.1	141	1.17	7,524	90	2.3	1.1	141	1.15	11,841	172,296	68,700		89		<4
28	7.6	5.0	6.5	0.384			5,552	86	2.5	1.2	174	1.11	6,608	88	2.3	1.3	174	1.19	7,337	163,680	58,200		96		<4
29	9.2	4.4	6.9	0.433			4,624	108	2.5	1.1	137	1.00	8,260	80	2.3	1.2	137	0.98	7,580	171,612	74,050		120		<4
30	7.3	4.5	6.6	0.420			5,308	109	2.5	1.1	143	1.06	6,748	65	2.3	1.2	143	1.09	8,230	173,376	35,500				
Total	272.3	162.6	222.85																211,378	4,717,199	925,250				
Ave.	9.1	5.4	7.43	0.416			5,250	86	3.0	1.0	134	1.15	6,397	85	2.9	1.1	1.09	1.20	7,046	157,240	30,842		73	104	4

no changes

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

no changes

	Total N			Total N	Low D.O.	pH		Total P			Total P	Ortho P			Temp.		Arsenic		Copper	Nickel		Selenium	
	Inf.	Prim. Eff.	Final Eff.	Eff.	Eff.	Inf.	Eff.	Inf.	Prim. Eff.	Final Eff.	Eff.	Inf.	Prim. Eff.	Final Eff.	Inf.	Eff.	Inf.	Eff.	Eff.	Inf.	Eff.	Inf.	Eff.
Units	mg/l			lb/d	mg/l	S.U.		mg/l			lb/d	mg/l			F		mg/l		mg/l	kg/day		kg/day	
Freq.	Monthly			Mthly	4/wk day	Work Day		Nov-March (Monthly) (April-October) 2/week			Apr - Oct	Nov-March (Monthly) (April - October) 2/week			Work day		Weekly		Mthly	Weekly		Weekly	
1	17.1	27.0	4.0	267	7.9	7.1	6.5	2.62		4.59	308	1.25		4.32	53	63	<0.0040	<0.004	0.012	0.21	0.27	0.15	0.06
2					8.0	7.1	6.4								55	64							
3					8.1	6.9	6.5								55	64							
4																							
5																							
6	18.6		4.3	255	7.4	7.1	6.4			5.05	300			4.61		69							
7	19.2		3.4	221	7.4	7.2	6.4									65							
8	18.6		3.6	231	8.1	7.1	6.5			4.47	287			4.20	57	64	<0.0040	<0.004		1.37	0.28	0.14	0.11
9					7.7	7.2	6.5								54	65							
10					7.5	7.2	6.6								56	66							
11																							
12																							
13	18.8		5.0	304	7.2	7.3	6.6			5.34	326			5.30	57	68							
14	21.7		4.4	268	7.1	7.3	6.6								57	72							
15					6.9	7.3	6.7								58	78							
16	17.1		3.5	196	7.2	7.1	6.7			5.30	297			5.30	60	70	<0.0040	0.007		0.30	0.32	0.13	0.07
17					7.2	7.2	6.8								58	69							
18																							
19																							
20	17.3		4.9	306	6.9	7.3	6.6			5.04	317			4.52	62	71							
21	15.0		3.9	283	6.5	7.2	6.6								59	72							
22	14.4		4.3	298	6.7	7.1	6.6			4.80	331			4.80	62	75	<0.0040	<0.004		0.28	0.31	0.16	0.12
23					6.3	7.1	6.7								58	76							
24					6.6	7.2	6.6								60	74							
25																							
26																							
27	29.7		5.6	322	6.3	7.3	6.6			4.60	265			4.60	62	77							
28	23.4		4.6	246	7.5	7.0	6.6								58	71							
29	26.1		5.6	318	6.9	7.2	6.6			5.87	335			5.75	62	79							
30					6.9	7.2	6.6								63	77							
Total																							
Ave.	19.8	27.0	4.4	270	7.2	7.2	6.6	2.62		5.01	307	1.25		4.82	58.1	70.4	0.0040	0.0048	0.012	0.54	0.30	0.14	0.09

	Zinc		Alkalinity	
			Pri. Eff.	
	Inf.	Eff.		Eff.
Units	kg/day		mg/l	
Freq.	Weekly		Monthly	
1	2.65	2.621	70	30
2			80	30
3			80	20
4				
5				
6			80	30
7			90	40
8	25.95	2.618	80	40
9			90	40
10			80	40
11				
12				
13			90	30
14			90	40
15			110	40
16	6.60	1.594	100	40
17			120	40
18				
19				
20			100	40
21			100	40
22	3.12	1.838	80	40
23			100	40
24			90	40
25				
26				
27			100	40
28			70	30
29			130	40
30			120	40
Total				
Ave.	9.58	2.168	93	37

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: [signature]

Date: 7-14-15

Revised p.1 only.

Naugatuck WPCF

Sample month/year May, 2015

Facility ID: 088-001

Permit #: CT0100641

Date received: (stamped)

Revisions this page only as noted

	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		
											Corrected						corrected								
1	7.3	4.6	6.5	0.423			5,052	83	2.4	1.2	176	1.03	6,616	83	2.4	1.2	176	1.25	2,909	170,568	53,450				
2	7.6	4.7	6.6	0.445					2.4	1.1	159				2.3	1.2	159		1,940	165,029	16,000				
3	7.2	4.5	6.5	0.464					2.5	1.1	161				2.2	1.1	161		2,909	163,680	750				
4	7.4	4.5	6.7	0.462			6,668	95	5.0	1.3	152	1.14	5,600	91	5.0	1.4	152	1.06	4,211	175,152	51,840		110	160	<4
5	4.5	7.4	6.5	0.448			5,820	84	2.5	1.0	150	1.31	7,056	86	2.7	0.9	150	1.20	6,406	140,496	65,500		110		<4
6	7.1	4.5	6.3	0.450			5,764	87	2.4	1.2	168	1.16	7,196	86	2.5	1.2	168	1.17	5,946	160,236	62,200		140		<4
7	7.2	4.5	6.2	0.451			6,148	85	2.3	1.2	164	1.14	7,304	88	2.5	1.1	164	1.15	5,844	175,152	47,300				
8	6.2	5.6	6.2	0.448			6,012	90	2.4	0.4	170	1.07	7,236	88	2.6	0.8	170	1.13	5,614	176,532	55,000				
9	7.3	4.2	6.2	0.457					3.2	0.9	177				5.0	1.2	177		5,614	180,380	5,000				
10	9.4	0.9	6.4	0.449					2.2	0.1	156				3.5	0.4	156		5,614	157,836	2,000				
11	6.8	5.5	6.4	0.467			6,936	81	2.3	1.4	162	1.16	7,580	80	2.7	0.3	162	1.10	3,845	181,680	41,300		100	160	<4
12	6.8	5.4	6.2	0.464			6,792	72	2.3	1.3	169	1.40	7,852	66	2.9	0.0	169	1.20	9,953	170,976	50,200		71		<4
13	6.8	5.4	6.2	0.427			6,660	90	3.6	0.4	169	1.12	6,948	79	3.9	1.3	169	1.05	5,538	178,080	58,450		85		<4
14	6.8	4.0	6.0	0.405			6,548	86	2.1	1.4	171	1.13	7,100	87	3.1	0.0	171	1.08	7,050	180,108	41,250				
15	6.6	3.8	5.9	0.460			6,492	85	2.3	1.4	181	1.04	7,028	92	2.2	1.3	181	0.92	6,252	176,532	45,250				
16	7.0	4.0	6.1	0.433					5.0	1.5	168				4.8	1.3	168		6,252	168,072	4,200				
17	7.4	3.8	6.5	0.449					2.2	1.4	161				2.2	1.3	161		6,252	123,048	2,000				
18	6.9	4.3	6.3	0.454			6,980	92	2.3	1.4	168	1.02	6,684	97	2.3	1.4	168	1.08	6,699	175,152	51,000		120	200	<4
19	9.0	4.2	6.6	0.441			6,228	90	2.3	1.3	159	1.00	6,444	90	2.3	1.4	159	1.05	6,540	170,568	56,000		130		<4
20	7.2	0.0	6.0	0.455			6,440	93	2.4	1.1	173	0.98	7,280	95	2.3	1.0	173	1.03	7,181	178,704	39,950		140		<4
21	6.9	4.5	5.7	0.454			6,056	92	2.2	1.3	174	1.08	8,104	81	2.4	1.2	174	1.09	8,307	175,152	49,000				
22	6.5	3.8	5.3	0.436			6,516	94	2.3	1.3	217	0.94	8,088	82	2.6	1.1	217	0.99	7,388	175,152	63,750				
23	6.8	3.7	5.0	0.433					5.0	1.3	234				5.0	1.1	234		7,388	184,224	14,000				
24	5.8	2.7	4.1	0.438					2.3	1.2	219				2.3	1.3	219		7,388	194,364	0				
25	5.2	2.7	4.1	0.433					2.6	1.0	274				2.5	1.2	274		7,388	187,236	0		130	270	<4
26	6.0	2.5	4.3	0.409			4,468	76	2.4	1.0	233	0.80	5,960	76	2.3	1.1	233	0.96	2,994	173,376	53,390		100		<4
27	5.3	2.8	4.1	0.482			5,956	79	2.2	1.4	259	1.03	6,356	79	2.3	1.2	259	1.10	3,624	176,532	48,000		92		<4
28	4.9	2.8	4.0	0.463			5,764	76	2.2	1.4	260	0.98	6,208	79	2.3	1.3	260	1.25	3,794	169,416	48,300				
29	5.3	2.6	3.9	0.443			6,048	76	2.6	0.7	270	1.11	6,680	75	2.3	0.3	270	1.04	3,658	172,968	39,750				
30	5.1	2.6	3.9	0.449					5.0	1.4	274				5.0	1.1	274		3,658	174,744	8,750				
31	11.0	2.1	4.9	0.460					4.3	1.1	201				4.3	0.8	201		3,658	172,968	4,000				
Total	211.3	118.6	175.27																171,818	5,324,113	077,580				
Ave.	6.8	3.8	5.65	0.447			6,167	85	2.8	1.1	191	1.09	6,966	84	3.0	1.0	1.08	1.10	5,543	171,746	34,761		111	198	4

No change

	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				0.0	1.6	57.12	1.05	0.030	0.000	0.018														
2						59.07	1.08	0.040	0.000	0.018														
3						58.11	1.08	0.050	0.000	0.028														
4	180	130	<5	0.0	1.7	59.84	1.08	0.050	0.010	0.027			18.10	24.6	0.16	<0.010	<0.010	<0.010	<0.02	<0.02	2.740	30.60	35.00	1.280
5	210		<5	0.0	2.1	59.84	1.11	0.040	0.000	0.017	20		16.10		0.10	0.020		<0.010	<0.02		3.170	28.20		1.340
6	200		<5	0.0	2.0	59.84	1.14	0.030	0.000	0.012	90		17.30		0.11	0.310		<0.010	1.22		3.710	30.00		0.110
7				0.0	2.4	58.63	1.13	0.050	0.000	0.035	<10													
8				0.0	3.8	58.60	1.14	0.050	0.000	0.017														
9						57.26	1.11	0.050	0.020	0.037														
10						59.56	1.12	0.040	0.000	0.010														
11	140	78	<5	0.0	2.3	62.56	1.18	0.040	0.000	0.018			18.50		0.13	0.330		<0.010	<0.02		3.430	31.40		1.420
12	92		<5	0.0	1.9	63.20	1.23	0.040	0.000	0.018	<10		16.90		0.18	0.410		<0.010	0.05		3.610	24.70		2.180
13	99		<5	0.0	1.8	62.86	1.22	0.030	0.000	0.015	70		18.10		0.19	0.230		0.010	<0.02		3.860	27.00		1.090
14				0.0	2.3	64.49	1.30	0.030	0.000	0.017	70													
15				0.0	1.4	60.39	1.22	0.050	0.000	0.020														
16						60.59	1.19	0.040	0.000	0.025														
17						62.55	1.15	0.040	0.000	0.020														
18	140	87	<5	0.0	1.3	62.25	1.18	0.040	0.000	0.013			19.90		0.11	0.020		0.150	<0.02		2.790	30.10		1.250
19	250		<5	0.0	1.7	35.23	0.64	0.030	0.000	0.017	30		20.30		0.19	0.010		0.140	<0.02		2.780	34.70		1.020
20	220		<5	0.0	2.9	58.96	1.18	0.040	0.000	0.012	<10		17.60		0.06	0.020		<0.010	<0.02		3.230	30.10		1.020
21				0.0	1.1	62.33	1.31	0.050	0.000	0.030	20													
22				0.0	1.1	59.81	1.35	0.050	0.000	0.028														
23						56.90	1.36	0.030	0.000	0.012														
24						57.36	1.70	0.010	0.000	0.003														
25	190	170	<5			59.98	1.76	0.030	0.010	0.020			22.90		0.13	0.020		<0.010	<0.02		3.380	35.90		1.070
26	120		<5	0.0	1.4	61.58	1.72	0.050	0.000	0.013	30		22.90		0.09	0.020		0.010	<0.02		2.950	32.80		1.230
27	82		<5	0.0	1.7	62.32	1.80	0.050	0.000	0.032	10		23.20		0.18	0.020		<0.010	<0.02		3.630	32.30		1.630
28				0.0	2.1	62.06	1.85	0.050	0.010	0.030	30													
29				0.0	1.6	62.15	1.92	0.040	0.010	0.030														
30						62.70	1.95	0.050	0.000	0.032														
31						66.38	1.64	0.050	0.000	0.012														
Total																								
Ave.	160	116	5	0.0	1.9	59.82	1.32	0.041	0.002	0.020	25		19.32	24.6	0.14	0.118	0.010	0.033	0.12	0.02	3.273	30.65	35.00	1.220

no changes

	Total N			Total N	Low D.O.	pH		Total P			Total P	Ortho P			Temp.		Arsenic		Copper	Nickel		Selenium	
	Inf.	Prim. Eff.	Final Eff.	Eff.	Eff.	Inf.	Eff.	Inf.	Prim. Eff.	Final Eff.	Eff.	Inf.	Prim. Eff.	Final Eff.	Inf.	Eff.	Inf.	Eff.	Eff.	Inf.	Eff.	Inf.	Eff.
Units	mg/l			lb/d	mg/l	S.U.		mg/l			lb/d	mg/l			F		mg/l		mg/l	kg/day		kg/day	
Freq.	Monthly			Mthly	4/wk day	Work Day		Nov-March (Monthly) (April-October) 2/week			Apr - Oct	Nov-March (Monthly) (April - October) 2/week			Work day		Weekly		Mthly	Weekly		Weekly	
1					6.9	7.2	6.6								62	76							
2																							
3																							
4	30.6	35.0	4.0	224	7.6	7.4	6.8	3.47		5.73	319	1.44		5.70	61	75	<0.0040	0.004	0.008	0.22	0.27	0.13	0.05
5	28.2		4.5	244	7.3	7.3	6.8			6.00	324			6.00	62	76							
6	31.5		3.8	200	7.1	7.2	6.7								62	73							
7					7.2	7.3	6.6								62	74							
8					7.2	7.8	6.8								62	74							
9																							
10																							
11	31.8		4.9	262	6.9	7.3	6.7			9.40	498			9.50	63	78	<0.0040	<0.004		0.35	0.33	0.12	0.09
12	25.2		5.8	300	6.6	7.4	6.7			9.80	504			9.45	64	80							
13	27.3		5.0	259	6.7	7.4	6.6								64	79							
14					7.2	7.3	6.7								64	78							
15					6.6	7.3	7.1								63	78							
16																							
17																							
18	30.1		4.2	221	6.8	7.5	6.7			9.95	524			9.95	63	80	<0.0040	0.006		0.33	0.33	0.12	0.09
19	34.7		3.9	215	6.9	7.4	6.8			10.40	572			9.20	66	80							
20	30.1		4.3	215	6.5	7.2	6.7								62	80							
21					6.7	7.3	6.7								62	79							
22					7.1	7.3	6.7								63	77							
23																							
24																							
25	35.9		4.5	154						10.90	372			10.90			<0.0040	0.005		0.09	0.21	0.77	0.15
26	32.8		4.2	151	6.7	7.4	6.8			11.60	416			11.20	68	82							
27	32.3		5.3	181	6.3	7.5	6.7								69	84							
28					6.8	7.4	6.8								66	80							
29					6.9	7.2	6.8								67	84							
30																							
31																							
Total																							
Ave.	30.9	35.0	4.5	219	6.9	7.4	6.7	3.47		9.22	441	1.44		8.99	63.8	78.4	0.0040	0.0048	0.008	0.25	0.28	0.28	0.10

	Zinc		Alkalinity	
			Pri. Eff.	
	Inf.	Eff.		Eff.
Units	kg/day		mg/l	
Freq.	Weekly		Monthly	
1			110	50
2				
3				
4	5.45	1.999	110	40
5			100	40
6			130	40
7			130	40
8			90	50
9				
10				
11	5.50	1.692	90	50
12			130	40
13			140	40
14			160	50
15			120	70
16				
17				0
18	2.71	1.378	120	40
19			130	60
20			120	40
21			150	50
22			110	60
23				
24				
25	2.50	0.938		
26			130	50
27			150	50
28			130	50
29			130	40
30				
31				
Total				
Ave.	4.04	1.502	124	45

Sludge Disposal Location:

Please return forms to:

DEEP - Water Bureau

ATTN: Municipal Wastewater Monitoring Coordinator

Municipal Facilities
79 Elm Street

Statement of Acknowledgement

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

Authorized Official:
John Batorski

Title:
Plant Manager

Signature: John Batorski

Date: 7-14-15

Revised p.1 only.
No other changes

VEOLIA WATER

VEOLIA WATER NORTH AMERICA
500 Cherry Street
Naugatuck, CT 06770

Tel : 203-723-1433 / 888-682-1433
Fax : 203-723-8539
www.veoliawaterna.com

Fax

TO Ilrana Raffa

FAX 860-424-4067

FROM John Batorski

DATE 7-7-15

PAGES: 2
Including this page

SUBJECT Secondary tank scheduled maintenance.

MESSAGE

Attached is a loss of tank form. No effluent issues are expected from this scheduled maintenance activity.

John Batorski

THIS TRANSMISSION CONTAINS CONFIDENTIAL INFORMATION INTENDED FOR USE ONLY BY THE ABOVE NAMED RECIPIENT. READING, DISCUSSION, DISTRIBUTION, OR COPYING OF THIS MESSAGE IS STRICTLY PROHIBITED BY ANYONE OTHER THAN THE NAMED RECIPIENT OR HIS OR HER EMPLOYEES OR AGENTS. IF YOU HAVE RECEIVED THIS FAX IN ERROR, PLEASE IMMEDIATELY NOTIFY US BY TELEPHONE (COLLECT), AND RETURN THE ORIGINAL MESSGE TO US AT THE ABOVE ADDRESS VIA U.S. POSTAL SERVICE.

* * * Communication Result Report (Jul. 7. 2015 11:52AM) * * *

1) Veolia Water-NET LLC
2)

Date/Time: Jul. 7. 2015 11:51AM

File No.	Mode	Destination	Pg(s)	Result	Page Not Sent
6749	Memory TX	18604244067	P. 2	OK	

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

VEOLIA WATER

VEOLIA WATER NORTH AMERICA
[illegible] Cherry Street
Norwalk, CT [illegible]
Tel: [illegible]
Fax: [illegible]
[illegible]

Fax

TO Ileana Raffa

FAX 860-424-4067

FROM John Batorski

DATE 7-7-15

PAGES: 2
Including this page

SUBJECT Secondary tank scheduled maintenance

MESSAGE
Attached is a loss of tank form. No effluent issues are expected from this scheduled maintenance activity.

John Batorski

[illegible]

STATE OF CONNECTICUT
DEPARTMENT OF ENVIRONMENTAL PROTECTION
WATER BUREAU

LOSS OF EQUIPMENT/TANKAGE FORM

City or Town: Naugatuck, CT Date: 7 / 7 / 15

Loss of equipment/tankage: Secondary tank #3 - scheduled o/s for maintenance - new wear strips.

How long will it be before permanent repairs are complete? ~ 1 week to 10 days - depends upon the weather

How many and what kind of back up units or storage do you have? - all other tanks are in service - this is scheduled maintenance

Discovered date: 7 / 6 / 15

Will this affect quality of Effluent: ☐ Yes ☒ No ☐ Don't Know
should have not affect on effluent.

Contact DEP within two hours by phone during normal business hours and file this report within five days.

DATE/ TIME	REPORT LOG
7-7-15 ~11:30AM	CT DEP - Iliana Ayala (860) 424-3758 If Iliana Ayala is not available, you **must** call Municipal Facilities Section during normal business hours at:
N/A	CT DEP (860) 424-3704 DO NOT LEAVE VOICE MAIL MESSAGES _____ Name of person contacted
7-7-15 ~11:40AM	Fax Report to CT DEP, Iliana Ayala (860) 424-4067

Report Submitted by: John Batorski Title: Plant Manager

Signature: [signature] Phone #: 203-723-1433 ext. 2015

Submit Completed Report to: State of Connecticut
Department of Environmental Protection
Water Bureau – Attention: Iliana Ayala
79 Elm Street
Hartford, CT 06106-5127

1/09

VEOLIA

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

Vandalism

1 message

Batorski, John <john.batorski@veolia.com> 5 June 2015 at 10:59
To: "James R. Stewart PE" <jstewart@naugatuck-ct.gov>

Hello Jim,

The collection crew was checking a manhole and observed that rocks were inside. That manhole is in a remote location. We cannot state exactly when the rocks were placed in that manhole but we are glad they pulled them out as it almost caused a backup. As a result of the vandalism, we will place a locking lid on this manhole. The brick will also be repaired on that manhole.

Thanks,

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

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

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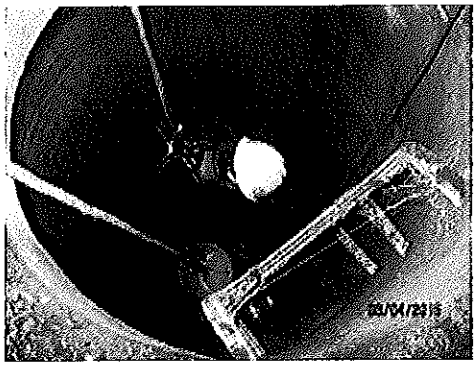
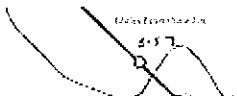
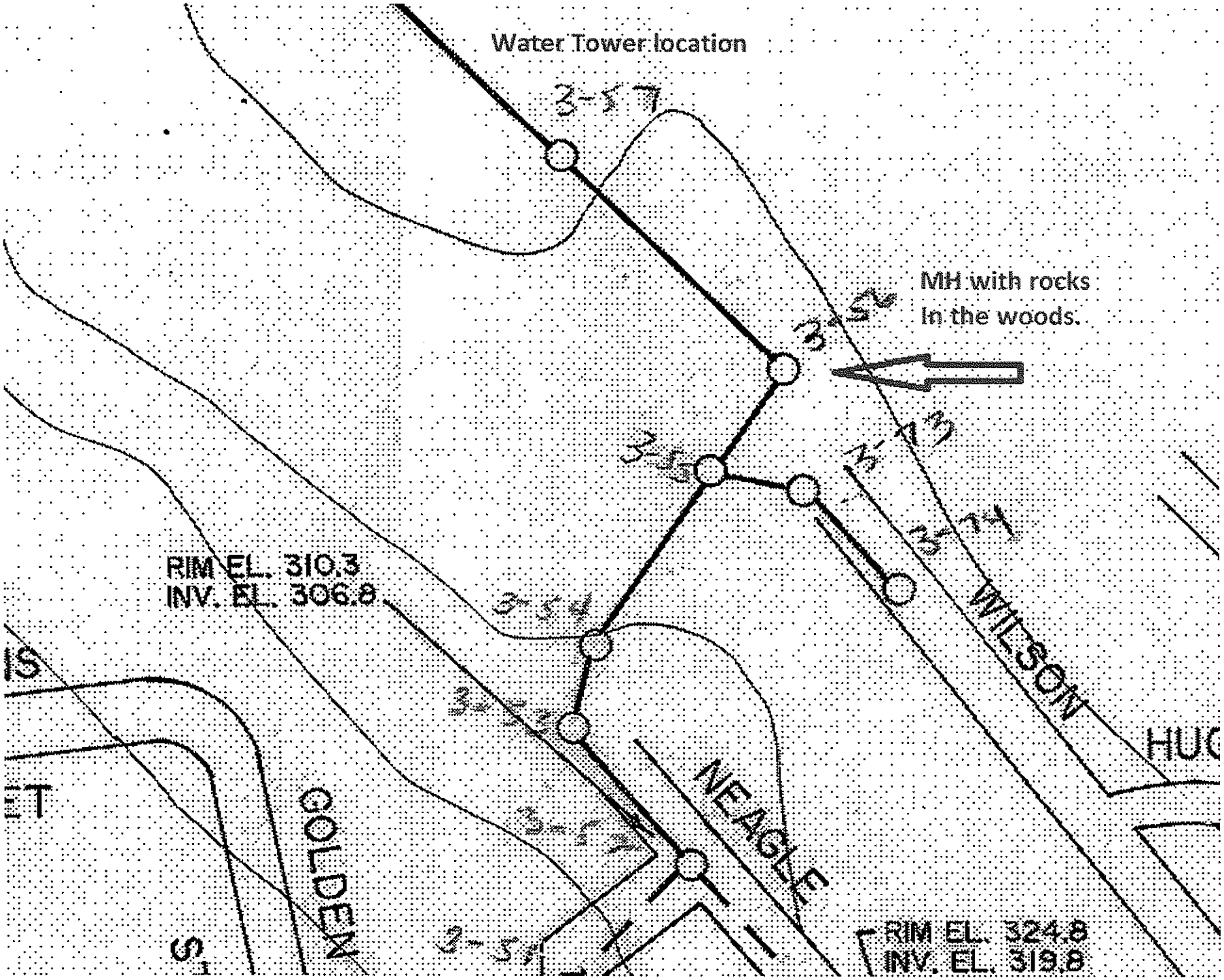
3 attachments



Water Tower are manhole pic 1.jpg
105K

Water tower pic #2.jpg
177K




Water Tower location
MH with rocks
In the woods.
RIM EL. 310.3
INV. EL. 306.8
RIM EL. 324.8
INV. EL. 319.8
WILSON
NEAGLE
GOLDEN

VEOLIA

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

RE: Laurel Park- Groundwater Discharge - Naugatuck,CT

1 message

Gonyea, Donald <Donald.Gonyea@ct.gov> 26 June 2015 at 07:32
To: "Dirienzo, Russ" <Russ.Dirienzo@arcadis-us.com>
Cc: "Paul - Middlebury CT <Paul. Meyer@chemtura. com> Meyer" <Paul.Meyer@chemtura.com>, "Romanoff, Megan" <Megan.Romanoff@arcadis-us.com>, "Angevine, Jamie" <Jamie.Angevine@arcadis-us.com>, John Batorski <john.batorski@veolia.com>

Thank you Russ,

1,4 dioxane has become an emerging contaminant of concern and once becoming aware that it is reasonably likely to be present in a discharge may, on a case by case basis, require monitoring under RCSA 22a-430-3(i). The plan to incorporate 1,4 into future monitoring will satisfy the Department's requirement to evaluate the concentration in this discharge.
This concentration should have no impact on the sewerage conveyance or operation of the Naugatuck WPCF. Until the Depratment develops a specific limit for 1, dioxane, it should be considered a "monitor only" parameter without specific limit. Note that I only want to be notified if concentrations of 1,4 increase by more than 50%. Otherwise, report on the monthly DMRs as required by their permit or if requested by Department staff.

Lastly, please note that while considered a pollutant of concern, this does not necessarily mean that specific impacts or treatment requirements have been developed for 1,4. This simply means it has been found as the result of widespread use and will be evaluated. Limits may or may not be developed in the future.

Thank you,
Don Gonyea
CTDEEP / Water Permitting and Enforcement Division

----Original Message----
From: Dirienzo, Russ [mailto:Russ.Dirienzo@arcadis-us.com]
Sent: Thursday, June 25, 2015 3:45 PM
To: Gonyea, Donald
Cc: Paul - Middlebury CT <Paul. Meyer@chemtura. com> Meyer; Romanoff, Megan; Angevine, Jamie
Subject: Laurel Park- Groundwater Discharge - Naugatuck,CT

> Don- this email is to notify DEEP that we detected 1,4 dioxane in the discharge from the Laurel Park landfill site at 140 ppb. The discharge is covered under a general permit for groundwater remediation wastewaters. The discharge is treated at the Naugatuck POTW. As you are aware, the concentration will have no impact on the plant.
>
> This parameter was not required under the permit. However, EPA requested that 1,4 dioxane be included in groundwater analysis for many sites in CT. Levels of 1,4 were detected in on site monitoring wells so we evaluated the situation and decided to sample the discharge. EPA did not request the sampling of the discharge- it was done voluntarily by LPC.
>
> We will include 1,4 dioxane in future discharge sampling events required by the permit. We will notify you if levels exceed 1 ppm.
>
> Let me know if you have any questions.
>
> Russell Dirienzo- Arcadis on behalf of LPV
>
>
>
> This e-mail and any files transmitted with it are the property of ARCADIS U.S., Inc., and its affiliates. All rights, including without limitation copyright, are reserved. The proprietary information contained in this e-mail message and any files transmitted with it is intended for the use of the recipient(s) named above. If the reader

review, distribution or copying of this e-mail or any files transmitted with it is strictly prohibited. If you h[redacted]
received this e-mail in error, please notify the sender immediately.

Connecticut Department of
ENERGY &
ENVIRONMENTAL
PROTECTION

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

May 20, 2015

To: Connecticut Chief Elected Officials
Connecticut Water Pollution Control Authorities
Professional Consultants providing wastewater infrastructure services to Connecticut municipal and regional entities

RE: Review of wastewater infrastructure plans and specifications for locally funded projects

The Department of Energy and Environmental Protection (The Department) has been reviewing its policies and practices with a goal of streamlining its operations and reducing or eliminating unnecessary or redundant activities. Recently, the Planning and Standards Division of the Bureau of Water Protection and Land Reuse identified a series of document reviews as having the potential for reduction or elimination.

It has been the Department's practice to review all modifications or expansions of wastewater conveyance and treatment facilities. Historically, designs for such proposals were routinely submitted to the Department for review and approval prior to initiating construction. An evaluation of the need for such reviews has indicated that the regulated community and their consultants are well-versed in the technical and administrative requirements of such designs, and as such, reviews of such efforts at the state level are considered a duplication of effort and therefore redundant.

Therefore, as of the date of this document, the Department will only conduct detailed technical reviews of the design of specific categories of wastewater conveyance and treatment facilities. The categories continuing to require a Department review of plans and specifications are:

1. All projects for which funding is sought through the Connecticut Clean Water Fund or other state funding source,
2. All proposed construction of or modifications to municipally-owned or operated wastewater treatment facilities, regardless of funding source,
3. All proposed construction of or modifications to major wastewater pump stations with a peak design capacity of 5.0 million gallons per day or greater, regardless of funding source.

For all other wastewater infrastructure projects, the local entity having regulatory authority (Water Pollution Control Authorities or other municipal or regional entities acting on their behalf) shall be responsible for ensuring that the designs meet all technical and administrative requirements. To ensure that such reviews continue to be accomplished at the local level, municipal or regional entities will be required to submit the following assurances to the Department following the completion of construction of such projects:

1. A map showing the location of the project and, if appropriate, changes in the sewer service area resulting from such project.

2. A statement from the municipal or regional entity having regulatory authority that all aspects of the project meet, at a minimum, the requirements of the current New England Interstate Water Pollution Control Commission "Guides for the Design of Wastewater Treatment Works" (also known as TR-16).
3. A statement that the local entity having regulatory authority has determined that the project is consistent with the requirements of current state and local plans of conservation and development.

The above documents should be sent to:

Director
Planning & Standards Division
Bureau of Water Protection and Land Reuse
Department of Energy and Environmental Protection
79 Elm Street
Hartford, CT 06106

Thank you for your cooperation as we seek to make our operations more streamlined, efficient, and responsive to our regulated community.

Sincerely,

Denise Ruzicka
Director
Planning & Standards Division
Bureau of Water Protection and Land Reuse

VEOLIA
WATER

Sent via Certified R.R.R. Mail 7009 2820 0004 1018 1542 on July 8, 2015

July 8, 2015

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

Subject: Opacity Audit Second Quarter 2015

Dear Sir/Madam:

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

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

Sincerely,

Veolia Water North America-Northeast, LLC

John Batorski
Project Manager

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

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

Test Report – COMS Opacity Audit Second Quarter 2015

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

PREPARED FOR:	Veolia Water 500 Cherry Street Naugatuck, Connecticut 06770
CONCERNING:	COMS 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. 4861

July 2, 2015

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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- 2.2 Continuous Emissions Monitoring System

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- 3.2 Field Test Changes
- 3.3 Presentation of Results

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- 4.1 Opacity Audit Procedure

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- 5.1 Sampling
- 5.2 Reporting

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APPENDICES

Appendix A Field Data Sheets
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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:	June 26, 2015

1.0 INTRODUCTION

1.1 Summary of Test Program

CK Environmental, Inc. (CK) was contracted by Veolia Water North America to conduct an opacity audit on the Continuous Opacity Monitoring System (COMS) which monitors the opacity emissions at the Fluidized Bed Incinerator located in Naugatuck, Connecticut. The COMS monitor the opacity from the incinerator operated at this facility. Auditing of the COMS was conducted on June 26, 2015.

The purpose of this testing program was to demonstrate that the Data Accuracy Assessment of the COMS operated at this facility met the acceptance criteria for relative accuracy (RA) as required by the Code of Federal Regulations, Title 40 - Part 60, (40 CFR 60) Appendix B - Performance Specification 1 and Appendix F – Quality Assurance Procedures for the second quarter 2015 data reporting period.

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

Environmental

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 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 B - Performance Specification 1 and Appendix F – Quality Assurance Procedures for the second quarter 2015 data reporting period. 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

An opacity audit was conducted on the outlet COMS installed on the incinerator operated at this facility to document the COMS RA for the second quarter 2015. The opacity audit was conducted on June 26, 2015.

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 COMS test results with criteria found in Performance Specification 1 with the opacity monitor reading with less than 3% difference from the corrected filter value.

4.0 SAMPLING AND ANALYTICAL PROCEDURES

4.2 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

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

OPACITY AUDIT CALCULATION SHEET

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

DATE: 6/26/15
AUDITOR: Mike Unterweger

Run #	Zero	Low	Mid	High
Pre Zero	0.00			
1		7.03	15.11	25.12
2		7.03	15.07	25.12
3		7.03	15.03	25.13
4		7.03	15.16	25.12
5		7.05	15.06	25.04
6 Min Avg		6.57	14.81	25.06
Post Zero	0.00			

	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	**7.0**	**7.0**	**0.4**	**0.1**
2	**7.0**	**7.0**	**0.0**	**0.0**
3	**7.0**	**7.0**	**0.0**	**0.0**
4	**7.0**	**7.0**	**0.0**	**0.0**
5	**7.1**	**7.0**	**0.0**	**0.0**
Sum =			0.4	0.1
A = Sum (Delta L) ^ 2 =			0.1	
B = Sum (Delta L ^ 2) =			0.1	
N =			5.0	
(N * B) - A =			0.6	

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

ME = **0.1**

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 = **0.5**

N	Mid	Value	Delta L	Del L^2
1	**15.1**	**14.8**	**0.3**	**0.1**
2	**15.1**	**14.8**	**0.3**	**0.1**
3	**15.0**	**14.8**	**0.3**	**0.1**
4	**15.2**	**14.8**	**0.4**	**0.1**
5	**15.1**	**14.8**	**0.3**	**0.1**
Sum =			1.6	0.5
A = Sum (Delta L) ^ 2 =			2.4	
B = Sum (Delta L ^ 2) =			0.5	
N =			5.0	
(N * B) - A =			0.1	

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 = **0.0**

N	High	Value	Delta L	Del L^2
1	**25.1**	**24.6**	**0.5**	**0.2**
2	**25.1**	**24.6**	**0.5**	**0.2**
3	**25.1**	**24.6**	**0.5**	**0.3**
4	**25.1**	**24.6**	**0.5**	**0.2**
5	**25.0**	**24.6**	**0.4**	**0.2**
Sum =			2.4	1.1
A = Sum (Delta L) ^ 2 =			5.7	
B = Sum (Delta L ^ 2) =			1.1	
N =			5.0	
(N * B) - A =			0.0	

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

ME = **0.5**

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

CI = **0.0**

Calibration Error = ABS (ME) + CI

Calibration Error (1) = **0.5**

6 Minute Average Mean Error = **0.4**

(1) - Calculated per 40 CFR 60 Appendix F Procedure 3 (CE $\leq$ 3.0)
(2) - Corrected Filter Value = 1-(1-Actual Filter Value)^{PLCF} where the actual filter value = (Labeled % opacity / 100)

VEOLIA
WATER

Sent Certified R.R.R. mail # 7009 2820 0004 1018 1528 on June 30, 2015

June 30, 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

Re: Annual Relative Accuracy Test Audit

Dear Mr. John Degirolamo

Enclosed please find a copy of the Relative Accuracy Test Audit. The test indicates the system met all of the requirements.

Sincerely,
Veolia Water North America – Northeast, LLC

John Batorski
Project Manager

Enclosure: Relative Accuracy Test Audit report

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

TEST REPORT

RELATIVE ACCURACY TEST AUDIT PROGRAM

VEOLIA WATER NORTH AMERICA – NORTHEAST LLC

JUNE 29, 2015

PREPARED FOR:

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

CONCERNING:

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

PREPARED BY:

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

CK Project #4867

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

Prepare by: _____
Ale Kuncaitis, Project Engineer

Reviewed by: _____
Michael Unterweger, QSTI/Project Manager

CK Environmental, Inc.
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TEST SUMMARY

Facility Name:	**Veolia Water North America, LLC** 500 Cherry Street Naugatuck, CT 06770
Facility Contact:	**John Batorski,** Plant Manager 203-723-1433 x 2015 john.batorski@veoliawaterna.com
Regulatory Agency and Contact:	**Connecticut Department of Energy and Environmental Protection** 79 Elm Street Hartford, CT 06106-5127 **John DeGirolamo** 860-424-3957 john.degirolamo@ct.gov
Testing Organization:	**CK Environmental** 1020 Turnpike Street, Suite 8 Canton, MA 02021
Project Manager:	**Michael Kelley,** QSTI 781- 828-5200 mkelley@ckenvironmental.com
Test Crew:	Michael Unterweger, Michael Kelley, Jr.
Source Tested:	Fluidized Bed Incinerator
Compliance Requirement:	40 CFR 63 Subpart ZZZZ
Methods:	US EPA Methods 3A & 10
Test Date:	June 2, 2015

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1.0 INTRODUCTION

CK Environmental, Inc. (CK) was contracted by Veolia Water North America – Northeast, LLC (Veolia) to conduct a Relative Accuracy Test Audit (RATA) on the Continuous Emissions Monitoring System (CEMS) utilized at this site. The CEMS monitors the emissions at the Fluidized Bed Incinerator located in Naugatuck, Connecticut. The CEMS monitor the emissions of oxygen and carbon monoxide from the incinerator operated at this facility.

All testing and analyses were conducted in accordance with the applicable procedures as found in 40 CFR 60, Appendix A. The EPA Quality Assurance Handbook and the approved pretest protocol were adhered to as well. A detailed explanation of the methodology, procedures and equipment used can be found in Section 5.0 of this report.

Testing was performed on June 2, 3015. Michael Unterweger of CK Environmental was responsible for the RATA test program. A crew of qualified of Environmental Engineers and Technicians assisted him. Veolia Water North America personnel coordinated facility operations with the RATA testing. The Connecticut Department of Environmental Protection (CTDEEP) was the regulatory contact.

1.1 Key Personnel

The personnel responsible for testing and their associated telephone numbers are provided in Table 1-1 below.

Table 1-1
Key Personnel

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

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2.0 PROCESS DESCRIPTION

2.1 Process Description

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

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

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

2.2 Continuous Emission Monitoring System

The continuous emissions/continuous opacity monitoring system is designed to meet the requirements of 40 CFR, §60.13, §60.150 and 40 CFR, Part 503, Subpart E, §503.40., and 40 CFR, Part 60, Appendix B, PS 1. The extractive CEMS transport sample gas from the stack mounted sample probe via heated lines and sample conditioning system to the analyzers for continuous monitoring of gaseous pollutants. Effluent concentrations of carbon monoxide (CO) and oxygen (O_2) 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.

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

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

Table 2-1
CEMS Specifications

Parameter	Manufacturer	Model	Serial No.	Range
O_2, Dry	Siemens	Oxymat 6E	7MB20211 EAOOOAA 1	0-25%
CO	Thermo Environmental	48i	1405660903	0-300 ppmvd

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

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

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

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3.0 TEST PROGRAM

3.1 Objectives

The objective of the testing program was to determine the Relative Accuracy of the O_2 and CO monitoring system. Testing was conducted at outlet of the FBI. Emissions results are reported in units of standard in accordance with Table 3-1. The following were the main objectives for this test program:

- Conduct a RATA on the O_2 and CO CEMS system
- Obtain normal plant operation for data reduction

3.2 Test Matrix

The following is a matrix of the test methodologies, pollutants tested and allowable limits used for this program. Each parameter was measured and analyzed in accordance with EPA or CT DEEP-approved procedures as presented in this test report. Nine to twelve test runs were conducted, with a minimum of nine runs to determine relative accuracy. Relative accuracy results are reported in ppmvd and percent (dry).

Table 3-1
Test Matrix

Pollutant	Location	Test Method	Allowable Limit	No. of Runs	Run Duration
Oxygen	Outlet of FBI	EPA 3A	1.0% absolute	9-12	21 min.
Carbon Monoxide		EPA 10	<10% mean value <5% applicable standard	9-12	21 min.

3.3 Deviations from Approved Test Protocol

All test methods and procedures used during this test program were conducted in accordance with EPA and CTDEEP-approved test methodology and the approved test protocol. There were no deviations from the test plan.

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3.4 Summary of Results

At the completion of the stack emissions testing, all tests demonstrated compliance with regulations imposed by the CTDEEP. A summary of results for the fluidized bed incinerator are presented in the following table. All supporting data are presented in the appendices of this test report.

Table 3-2
Summary of Results – FBI Naugatuck, CT
June 2, 2015

CEMS Monitor	US EPA Reference Method	Measurement Units	Relevant Emission Standard	Reference Method Mean	Facility CEMS Mean	Relative Accuracy	Relative Accuracy Basis
O_2	3A	% dry	N/A	6.3	6.0	0.3	± 1.0% Absolute Mean Difference
CO	10	ppmvd @ 7% O_2	100.0	16.4	14.7	1.9%	≤ 5% of the Emission Standard

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VEOLIA
WATER

Sent via certified mail #7009 2820 0004 1018 1535 on July 2, 2015

Ms. Susan A. Nalley
Connecticut Department of Environmental Protection
Bureau of Water Management
79 Elm Street
Hartford, CT 06106-5127

July 6, 2015

Re: Water Compliance Inspection Report dated June 22, 2015

Dear Ms. Nalley

Thank you for the copy of the Water Compliance Inspection Report dated June 22, 2015. The Water Compliance Inspection Report (copy attached) contains some comments that require clarification. Report comments are in italics.

- *Influent metals sampling for arsenic, nickel, selenium and zinc is being performed monthly.* Actually, that analysis has been performed weekly per Table E since the new permit was issued. Copies of the analysis are attached to provide documentation. We apologize for the confusion.
- *Influent metals were not reported on the MOR's.* As you indicated, the MOR's supplied with the new permit did not include the necessary reporting columns thus they were not reported. While we do not have the authority to modify a state reporting form, based upon your instructions, we adjusted the MOR to include those columns. Revised MOR's are attached to document that change.
- *Results for aluminum, Iron and CBOD are not included on the Chemical Analysis Data ATMR from received from Phoenix Environmental Laboratory.* As you indicated, the analysis was performed. We can modify that form accordingly if requested.
- *The average monthly maximum flow was reported incorrectly on the April 2015 and February DMR's.* Internal investigation revealed that same error with other DMR's dating to the new NPDES Permit. The errors were the result of a software code that has been corrected. All DMR's have been corrected as you have indicated.
- *The Technical Fact Sheet detailed a rag box was installed to catch rags/rocks at the headworks.* The rag box was installed to catch rocks and rags from septic deliveries. That rag box is still in the original location. We apologize for the confusion on that issue.
- *The bypass gate for the headworks is "throttled down" and appears to be frozen in place with rust and debris.* To clarify the bypass gate (main influent gate) was partially throttled but well above normal influent channel flows and certainly not restricting influent flows. The gate is fully operational with minimal effort. Pictures attached provide documentation that the gate is now in the full open position. It is difficult to keep the cast iron gate in a clean condition given the location. The gate operates smoothly with minimal effort. We should have more completely explained the gate operation during your inspection.

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

- *The South Abel pump is leaking coolant water and should be repaired.* That water is simply recycled plant water used to keep a sludge packing gland clean from any sludge that may leak through the gland. The water keeps rotating surfaces clean which ultimately protects a bearing. The water is directed to a floor drain. We should have explained that in greater detail to you.
- *The pressure gauge on the incinerator sludge feed port B is cracked.* This pressure gauge is a compressed air pressure gauge. Yes, there is a slight crack on top section of the glass. The gauge is a fluid filled gauge and is fully operational. The fact that the fluid is still in the gauge and that it is clean confirms that statement. The slight crack in no way alters the performance of the gauge. We should have explained that in greater detail and apologize for the inconvenience.
- The Sludge Screening, Monitoring and Reporting Protocol Report has been completed and submitted on time.

Please contact me if you have any questions regarding these comments.

Sincerely,
Veolia Water North America – Northeast, LLC

John Batorski
Plant Manager

Enclosures: Water Compliance Inspection Report, analyticals for Influent metals (Sept 2014 to May 2015), revised MOR's (Sept 2014 to May 2015), picture of wet well gate and actuator.

United States Environmental Protection Agency
Washington, D.C. 20460

Water Compliance Inspection Report

Section A: National Data System Coding (i.e., PCS)

Transaction Code	NPDES	yr/mo/day	Inspection Type	Inspector	Fac Type
1 N 2 5	3 CT0100641 11	12 150511 17	18 C	19 S	20 1

Remarks
21 66

Inspection Work Days	Facility Self-Monitoring Evaluation Rating	BI	QA	Reserved
67 020 69	70 3	71 N	72 N	73 74 75 80

Section B: Facility Data

Name and Location of Facility Inspected (For Industrial users discharging to POTW, also include POTW name and NPDES permit number)	Entry Time/Date	Permit Effective Date
NAUGATUCK WPCF 500 CHERRY ST. EXT. NAUGATUCK CT 06770	0955/150511	140901
	Exit Time/Date	**Permit Expiration Date**
	1040/150513	190820

Name(s) of On-Site Representative(s)/Title(s)/Phone and Fax Number(s)	Other Facility Data (e.g., SIC NAICS, and other descriptive information)
JOHN BATORSKI / CHIEF OPERATOR 203-723-1433 xt 2015	Operated by Veolia Water N.A.

Name, Address of Responsible Official/Title/Phone and Fax Number	Contacted
same as above	☒ Yes ☐ No

Section C: Areas Evaluated During Inspection (Check only those areas evaluated)

✓ Permit	✓ Self-Monitoring Program	Pretreatment	MS4
✓ Records/Reports	✓ Compliance Schedules	Pollution Prevention	
✓ Facility Site Review	✓ Laboratory	Storm Water	
✓ Effluent/Receiving Waters	✓ Operations & Maintenance	Combined Sewer Overflow	
✓ Flow Measurement	✓ Sludge Handling/Disposal	Sanitary Sewer Overflow	

Section D: Summary of Findings/Comments

(Attach additional sheets of narrative and checklists, including Single Event Violation codes, as necessary)

SEV Codes	SEV Description
E 0 0 1 7	~~Analy~~ ev C0015 - Frequency of Sampling (Influent metals)
E 0 0 1 3	Improper/Incorrect Reporting (Average Maximum Flow)

See attached Remarks & Recommendations

Name(s) and Signature(s) of Inspector(s)	Agency/Office/Phone and Fax Numbers	Date
Susan A. Nalley	DEEP/WPLR/860 424 3286 860 424 4067	150519

Signature of Management QA Reviewer	Agency/Office/Phone and Fax Numbers	Date
	DEEP/WPLR 860-424-3137	22 JUNE 2015

EPA Form 3560-3 (Rev 4-06) Previous editions are obsolete.

Connecticut Department of
ENERGY &
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BUREAU OF WATER PROTECTION AND LAND REUSE

REPORT ON OPERATION AND MAINTENANCE
OF WASTEWATER TREATMENT PLANT

PLANT: Naugatuck WPCF INSPECTION DATE: May 11 & 13, 2015

REMARKS AND RECOMMENDATIONS

The following items were noted during the inspection:

- Influent metals sampling (for Arsenic, Nickel, Selenium & Zinc) is being performed monthly. Permit Table E specifies that samples for those parameters shall be collected weekly. Begin collecting weekly influent samples immediately.
- Influent metals results are not reported on the MORs. The MORs supplied with the permit did not include the necessary reporting columns. Please adjust your MOR to include those columns and begin reporting those results.
- Results for Aluminum, Iron and CBOD are not included on the Chemical Analysis Data ATMR form received from Phoenix Environmental Laboratory; however, the analyses were performed and are included on the original laboratory report.
- The Average Maximum Flow Data was reported incorrectly on the April 2015 and February 2015 DMRs. since the resissuance of the permit last year. Per a telephone call to John Batorski on May 19th, a software coding glitch was found, resulting in the faulty reporting of the same data for the months of October, November and December 2014 as well as the two months from 2015. He has corrected all DMRs and has put them in the mail to this Department.
- The Technical Fact Sheet issued with the current permit states under Plant Deficiencies that "...a "rag" box was installed to catch rocks/rags at the headworks. I saw no "rag box" at the headwords during the inspection.
- The bypass gate in the headworks building is "throttled down" (per John Bartoski), and appears to be frozen in place with rust and debris.
- The South ABEL Pump is leaking coolant water and should be repaired.
- The pressure gauge on Incinerator Sludge Feed Port B is cracked.

Per Administrative Order #AOWRMU15001:

- Veolia Water NA has submitted the Ash Lagoon Management Plan for this department's review (Section B.1.c); it was received by this Department April 23, 2015.
- The Sludge screening, monitoring and reporting protocol is being prepared by John Batorski (Section B.1.b).

The Industrial Influent Pipe from Uniroyal has been abandoned, and the valve handle removed.

The facility has hired Ms. Natalie Verlezza as Plant Engineer.

Inspector: Susan Nalley

Report Date: May 19, 2015

Signature: Susan Nalley

INSTRUCTIONS

Section A: National Data System Coding *(i.e., PCS)*

Column 1: Transaction Code: Use N, C, or D for New, Change, or Delete. All inspections will be *new* unless there is an error in the data entered.

Columns 3-11: NPDES Permit No. Enter the facility's NPDES permit number - third character in permit number indicates permit type for U=unpermitted, G=general permit, etc.. *(Use the Remarks columns to record the State permit number, if necessary.)*

Columns 12-17: Inspection Date. Insert the date entry was made into the facility. Use the year/month/day format (e.g., 04/10/01 = October 01, 2004).

Column 18: Inspection Type*. Use one of the codes listed below to describe the type of inspection:

A	Performance Audit	U	IU Inspection with Pretreatment Audit	!	Pretreatment Compliance (Oversight)
B	Compliance Biomonitoring	X	Toxics Inspection	@	Follow-up (enforcement)
C	Compliance Evaluation (non-sampling)	Z	Sludge - Biosolids	{	Storm Water-Construction-Sampling
D	Diagnostic	#	Combined Sewer Overflow-Sampling	}	Storm Water-Construction-Non-Sampling
F	Pretreatment (Follow-up)	$	Combined Sewer Overflow-Non-Sampling	:	Storm Water-Non-Construction-Sampling
G	Pretreatment (Audit)	+	Sanitary Sewer Overflow-Sampling	~	Storm Water-Non-Construction-Non-Sampling.
I	Industrial User (IU) Inspection	&	Sanitary Sewer Overflow-Non-Sampling	<	Storm Water-MS4-Sampling
J	Complaints	\	CAFO-Sampling	-	Storm Water-MS4-Non-Sampling
M	Multimedia	=	CAFO-Non-Sampling	>	Storm Water-MS4-Audit
N	Spill	2	IU Sampling Inspection		
O	Compliance Evaluation (Oversight)	3	IU Non-Sampling Inspection		
P	Pretreatment Compliance Inspection	4	IU Toxics Inspection		
R	Reconnaissance	5	IU Sampling Inspection with Pretreatment		
S	Compliance Sampling	6	IU Non-Sampling Inspection with Pretreatment		
		7	IU Toxics with Pretreatment		

Column 19: Inspector Code. Use one of the codes listed below to describe the *lead agency* in the Inspection.

A — State (Contractor)
B — EPA (Contractor)
E — Corps of Engineers
J — Joint EPA/State Inspectors—EPA Lead
L — Local Health Department (State)
N — NEIC Inspectors
O — Other Inspectors, Federal/EPA (Specify in Remarks columns)
P — Other Inspectors, State (Specify in Remarks columns)
R — EPA Regional Inspector
S — State Inspector
T — Joint State/EPA Inspectors—State lead

Column 20: Facility Type. Use one of the codes below to describe the facility.

1 — Municipal. Publicly Owned Treatment Works (POTWs) with 1987 Standard Industrial Code (SIC) 4952.
2 — Industrial. Other than municipal, agricultural, and Federal facilities.
3 — Agricultural. Facilities classified with 1987 SIC 0111 to 0971.
4 — Federal. Facilities identified as Federal by the EPA Regional Office.
5 — Oil & Gas. Facilities classified with 1987 SIC 1311 to 1389.

Columns 21-66: Remarks. These columns are reserved for remarks at the discretion of the Region.

Columns 67-69: Inspection Work Days. Estimate the total work effort (to the nearest 0.1 work day), up to 99.9 days, that were used to complete the inspection and submit a QA reviewed report of findings. This estimate includes the accumulative effort of all participating inspectors; any effort for laboratory analyses, testing, and remote sensing; and the billed payroll time for travel and pre and post inspection preparation. This estimate does not require detailed documentation.

Column 70: Facility Evaluation Rating. Use information gathered during the inspection (regardless of inspection type) to evaluate the quality of the facility self-monitoring program. Grade the program using a scale of 1 to 5 with a score of 5 being used for very reliable self-monitoring programs, 3 being satisfactory, and 1 being used for very unreliable programs.

Column 71: Biomonitoring Information. Enter D for static testing. Enter F for flow through testing. Enter N for no biomonitoring.

Column 72: Quality Assurance Data Inspection. Enter Q if the inspection was conducted as followup on quality assurance sample results. Enter N otherwise.

Columns 73-80: These columns are reserved for regionally defined information.

Section B: Facility Data

This section is self-explanatory except for "Other Facility Data," which may include new information not in the permit or PCS (e.g., new outfalls, names of receiving waters, new ownership, other updates to the record, SIC/NAICS Codes, Latitude/Longitude).

Section C: Areas Evaluated During Inspection

Check only those areas evaluated by marking the appropriate box. Use Section D and additional sheets as necessary. Support the findings, as necessary, in a brief narrative report. Use the headings given on the report form (e.g., Permit, Records/Reports), when discussing the areas evaluated during the inspection.

Section D: Summary of Findings/Comments

Briefly summarize the inspection findings. This summary should abstract the pertinent inspection findings, not replace the narrative report. Reference a list of attachments, such as completed checklists taken from the NPDES Compliance Inspection Manuals and pretreatment guidance documents, including effluent data when sampling has been done. Use extra sheets as necessary.

*Footnote: In addition to the inspection types listed above under column 18, a state may continue to use the following wet weather and CAFO inspection types until the state is brought into ICIS-NPDES: K: CAFO, V: SSO, Y: CSO, W: Storm Water 9: MS4. States may also use the new wet weather, CAFO and MS4 inspections types shown in column 18 of this form. The EPA regions are required to use the new wet weather, CAFO, and MS4 inspection types for inspections with an inspection date (DTIN) on or after July 1, 2005.

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

September 10, 2014

FOR: Attn: Mr. Tom Dellor
Veolia Water, Naugatuck Plant
500 Cherry Street
Naugatuck, CT 06770

Sample Information		Custody Information		Date	Time
Matrix:	WASTE WATER	Collected by:	TD	09/01/14	9:00
Location Code:	VEOLIANA	Received by:	LB	09/02/14	15:53
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	7766000379				

Laboratory Data

SDG ID: GBH02342
Phoenix ID: BH02343

Project ID: NAUGATUCK
Client ID: INFLUENT

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Arsenic	< 0.001	0.001	mg/L	09/03/14	EK	E200.7
Copper	0.091	0.005	mg/L	09/03/14	EK	E200.7
Nickel	0.005	0.001	mg/L	09/03/14	EK	E200.7
Selenium	< 0.002	0.002	mg/L	09/06/14	TR	SM 3113B
Zinc	0.171	0.002	mg/L	09/03/14	EK	E200.7
Carbonaceous BOD	180	78	mg/L	09/02/14 19:64	CB/RM	SM5210B
Ammonia as Nitrogen	27.2	0.20	mg/L	09/04/14	WHM	E350.1
Nitrite as Nitrogen	< 0.01	0.01	mg/L	09/03/14 02:48	BS/EG	300.0
Nitrate as Nitrogen	< 0.05	0.05	mg/L	09/03/14 02:48	BS/EG	300.0
Ortho-Phosphate-P	2.38	0.02	mg/L	09/02/14 20:55	BS	SM4500PF
Organic Nitrogen	15.5	1.0	mg/L	09/04/14	WHM	E350.1/350.2
Nitrogen Tot Kjeldahl	42.7	1.0	mg/L	09/04/14	WHM	E351.1
Phosphorus, as P	5.65	0.10	mg/L	09/03/14	JR	SM4500P E
Total Suspended Solids	260	13	mg/L	09/03/14	KG/KDB	SM2540D
Total Metals Digestion	Completed			09/02/14	AG	

Selenium

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 646-1102 Fax (860) 645-0823

Analysis Report

September 16, 2014

FOR: Attn: Mr. Tom Deller
Veolia Water, Naugatuck Plant
500 Cherry Street
Naugatuck, CT 06770

Sample Information		Custody Information		Date	Time
Matrix:	WASTE WATER	Collected by:		09/08/14	0:00
Location Code:	VEOLIANA	Received by:	LB	09/09/14	14:40
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	7766000379				

Laboratory Data

SDG ID: GBH10783
Phoenix ID: BH10784

Project ID: NAUGATUCK
Client ID: INFLUENT

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Arsenic	< 0.004	0.004	mg/L	09/10/14	LK	E200.7
Nickel	0.012	0.001	mg/L	09/10/14	EK	E200.7
Selenium	< 0.002	0.002	mg/L	09/15/14	RS	SM 3113B
Zinc	0.198	0.002	mg/L	09/10/14	LK	E200.7
Carbonaceous BOD	230	97	mg/L	09/09/14 13:29	CB/RM	SM5210B
Ammonia as Nitrogen	28.6	0.40	mg/L	09/11/14	WHM	E350.1
Nitrite-N	0.02	0.01	mg/L	09/09/14 22:53	BS	E353.2
Nitrate-N	< 0.01	0.01	mg/L	09/09/14 22:53	BS	E353.2
Organic Nitrogen	21.0	2.0	mg/L	09/11/14	WHM	E350.1/350.2
Nitrogen Tot Kjeldahl	49.6	2.0	mg/L	09/11/14	WHM	E351.1
Total Suspended Solids	310	13	mg/L	09/09/14	KG	SM2540D
Total Metals Digestion	Completed			09/09/14	AG	

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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Phyllis Shiller, Laboratory Director
September 16, 2014
Reviewed and Released by: Deb Lawrie, Project Manager

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

September 24, 2014

FOR: Attn: Mr. Tom Deller
Veolia Water, Naugatuck Plant
500 Cherry Street
Naugatuck, CT 06770

Sample Information		Custody Information		Date	Time
Matrix:	WASTE WATER	Collected by:	TD	09/15/14	0:00
Location Code:	VEOLIANA	Received by:	LB	09/16/14	15:50
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	7768000379				

Laboratory Data

SDG ID: GBH14198
Phoenix ID: BH14199

Project ID: NAUGATUCK
Client ID: INFLUENT

Parameter	Result	RL/PQL	Units	Date/Time	By	Reference
Arsenic	< 0.004	0.004	mg/L	09/17/14	LK	E200.7
Nickel	0.008	0.001	mg/L	09/17/14	LK	E200.7
Selenium	< 0.002	0.002	mg/L	09/19/14	RS	SM 3113B
Zinc	0.177	0.002	mg/L	09/17/14	LK	E200.7
Carbonaceous BOD	190	74	mg/L	09/16/14 10:52	CB/RM	SM5210B
Ammonia as Nitrogen	31.4	0.40	mg/L	09/18/14	WHM	E350.1
Nitrite-N	0.02	0.01	mg/L	09/16/14 23:41	BS	E353.2
Nitrate-N	< 0.01	0.01	mg/L	09/16/14 23:41	BS	E353.2
Organic Nitrogen	13.8	2.0	mg/L	09/18/14	WHM	E350.1/351.2
Nitrogen Tot Kjeldahl	45.2	2.0	mg/L	09/18/14	WHM	E351.1
Total Suspended Solids	230	13	mg/L	09/17/14	KG/VA	SM2540D
Total Metals Digestion	Completed			09/18/14	AG	

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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September 24, 2014
Reviewed and Released by: Deb Lawrie, Project Manager

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587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

September 30, 2014

FOR: Attn: Mr. Tom Deller
Veolia Water, Naugatuck Plant
500 Cherry Street
Naugatuck, CT 06770

Sample Information		Custody Information		Date	Time
Matrix:	WASTE WATER	Collected by:	TD	09/22/14	0:00
Location Code:	VEOLIANA	Received by:	LK	09/23/14	15:33
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	7766000379				

Laboratory Data

SDG ID: GBH17902
Phoenix ID: BH17903

Project ID: NAUGATUCK
Client ID: INFLUENT

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Arsenic	0.011	0.004	mg/L	09/24/14	EK	E200.7
Nickel	0.014	0.001	mg/L	09/24/14	LK	E200.7
Selenium	0.010	0.002	mg/L	09/24/14	RS	SM 3113B
Zinc	0.265	0.002	mg/L	09/24/14	EK	E200.7
Carbonaceous BOD	260	79	mg/L	09/23/14 18:50	CB/RM	SM5210B
Ammonia as Nitrogen	32.4	0.20	mg/L	09/25/14	WHM	E350.1
Nitrite-N	0.17	0.01	mg/L	09/23/14 21:54	BS	E353.2
Nitrate-N	1.08	0.01	mg/L	09/23/14 21:54	BS	E353.2
Organic Nitrogen	12.3	1.0	mg/L	09/25/14	WHM	E350.1/350.2
Nitrogen Tot Kjeldahl	44.7	1.0	mg/L	09/25/14	WHM	E351.1
Total Suspended Solids	260	7.1	mg/L	09/24/14	KG	SM2540D
Total Metals Digestion	Completed			09/23/14	AG	

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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Phyllis Shiller, Laboratory Director
September 30, 2014
Reviewed and Released by: Deb Lawrie, Project Manager

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 646-0823

Analysis Report

October 07, 2014

FOR: Attn: Mr. Tom Deller
Veolia Water, Naugatuck Plant
500 Cherry Street
Naugatuck, CT 06770

Sample Information		Custody Information		Date	Time
Matrix:	WASTE WATER	Collected by:	TD	09/29/14	0:00
Location Code:	VEOLIANA	Received by:	LB	09/30/14	16:13
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	7766000379				

Laboratory Data

SDG ID: GBH20993
Phoenix ID: BH20994

Project ID: NAUGATUCK
Client ID: INFLUENT

Parameter	Result	RL/PQL	Units	Date/Time	By	Reference
Arsenic	< 0.004	0.004	mg/L	10/03/14	LK	E200.7
Nickel	0.022	0.001	mg/L	10/03/14	LK	E200.7
Selenium	< 0.002	0.002	mg/L	10/03/14	RT	SM 3113B
Zinc	0.361	0.002	mg/L	10/03/14	LK	E200.7
Carbonaceous BOD	210	81	mg/L	09/30/14 20:03	CB/RM	SM5210B
Ammonia as Nitrogen	30.4	0.40	mg/L	10/03/14	WHM	E350.1
Nitrite-N	0.02	0.01	mg/L	09/30/14 21:50	BS	E353.2
Nitrate-N	< 0.01	0.01	mg/L	09/30/14 21:50	BS	E353.2
Organic Nitrogen	21.4	2.0	mg/L	10/03/14	WHM	E350.1/350.2
Nitrogen Tot Kjeldahl	51.8	2.0	mg/L	10/03/14	WHM	E351.1
Total Suspended Solids	370	13	mg/L	10/01/14	SO/CL	SM2540D
Total Metals Digestion	Completed			09/30/14	AG	

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Comments:

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Phyllis Shiller, Laboratory Director
October 07, 2014
Reviewed and Released by: Deb Lawrie, Project Manager

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587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

October 09, 2014

FOR: Attn: Mr. Tom Doller
Veolia Water, Naugatuck Plant
500 Cherry Street
Naugatuck, CT 06770

Sample Information		Custody Information		Date	Time
Matrix:	WASTE WATER	Collected by:	TD	10/02/14	0:00
Location Code:	VEOLIANA	Received by:	LK	10/02/14	15:20
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	7766000379				

Laboratory Data

SDG ID: GBH22307
Phoenix ID: BH22308

Project ID: NAUGATUCK
Client ID: INFLUENT

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Arsenic	< 0.004	0.004	mg/l	10/06/14	LK	E200.7
Copper	0.140	0.005	mg/L	10/06/14	LK	E200.7
Nickel	0.046	0.001	mg/L	10/06/14	LK	E200.7
Selenium	< 0.002	0.002	mg/L	10/03/14	RT	SM 3113B
Zinc	0.186	0.002	mg/L	10/06/14	LK	E200.7
Carbonaceous BOD	200	89	mg/L	10/02/14 19:46	CB/RM	SM5210B
Ammonia as Nitrogen	27.7	0.20	mg/L	10/06/14	WHM	E350.1
Nitrite-N	< 0.01	0.01	mg/L	10/02/14 23:48	BS	E353.2
Nitrate-N	< 0.01	0.01	mg/L	10/02/14 23:48	BS	E353.2
Ortho-Phosphate-P	2.46	0.02	mg/L	10/02/14 21:47	BS	SM4500PF
Organic Nitrogen	14.7	1.0	mg/L	10/03/14	WHM	E350.1/353.2
Nitrogen Tot Kjeldahl	42.4	1.0	mg/L	10/03/14	WHM	E351.1
Phosphorus, as P	5.05	0.10	mg/L	10/08/14	JR	SM4500P E
Total Suspended Solids	280	13	mg/L	10/03/14	CL	SM2540D
Total Metals Digestion	Completed			10/02/14	AG	

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

October 16, 2014

FOR: Attn: Mr. Tom Deller
Veolia Water, Naugatuck Plant
500 Cherry Street
Naugatuck, CT 06770

Sample Information		Custody Information		Date	Time
Matrix:	WASTE WATER	Collected by:	TD	10/08/14	0:00
Location Code:	VEOLIANA	Received by:	LB	10/09/14	14:25
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	7766000379				

Laboratory Data

SDG ID: GBH25394
Phoenix ID: BH25395

Project ID: NAUGATUCK
Client ID: INFLUENT

Parameter	Result	RL/PQL	Units	Date/Time	By	Reference
Arsenic	< 0.004	0.004	mg/L	10/10/14	EK	E200.7
Nickel	0.031	0.001	mg/L	10/10/14	EK	E200.7
Selenium	< 0.002	0.002	mg/L	10/15/14	RS	SM 3113B
Zinc	0.199	0.002	mg/L	10/10/14	EK	E200.7
Carbonaceous BOD	190	99	mg/L	10/09/14 19:38	CB/RM	SM5210B
Ammonia as Nitrogen	25.4	0.40	mg/L	10/14/14	WHM	E350.1
Nitrite-N	< 0.01	0.01	mg/L	10/09/14 22:25	BS	E353.2
Nitrate-N	< 0.01	0.01	mg/L	10/09/14 22:25	BS	E353.2
Organic Nitrogen	17.7	2.0	mg/L	10/14/14	WHM	E350.1/350.2
Nitrogen Tot Kjeldahl	44.1	2.0	mg/L	10/14/14	WHM	E351.1
Total Suspended Solids	240	17	mg/L	10/13/14	SC/CL/KHS	SM2540D
Total Metals Digestion	Completed			10/09/14	AG	

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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Phyllis Shiller, Laboratory Director
October 16, 2014
Reviewed and Released by: Deb Lawrie, Project Manager

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Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

October 22, 2014

FOR: Attn: Mr. Tom Deller
Veolia Water, Naugatuck Plant
500 Cherry Street
Naugatuck, CT 06770

Sample Information		Custody Information		Date	Time
Matrix:	WASTE WATER	Collected by:	TD	10/15/14	0:00
Location Code:	VEOLIANA	Received by:	LB	10/16/14	14:10
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	7766000379				

Laboratory Data

SDG ID: GBH28206
Phoenix ID: BH28207

Project ID: NAUGATUCK
Client ID: INFLUENT

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Arsenic	< 0.004	0.004	mg/L	10/17/14	LK	E200.7
Nickel	0.017	0.001	mg/L	10/17/14	LK	E200.7
Selenium	< 0.002	0.002	mg/L	10/20/14	RT	SM 3113B
Zinc	0.450	0.002	mg/L	10/17/14	LK	E200.7
Carbonaceous BOD	180	89	mg/L	10/16/14 19:00	CB/RM	SM5210B
Ammonia as Nitrogen	28.7	0.20	mg/L	10/20/14	WHM	E350.1
Nitrite-N	0.01	0.01	mg/L	10/17/14 02:39	BS	E353.2
Nitrate-N	< 0.01	0.01	mg/L	10/17/14 02:39	BS	E353.2
Organic Nitrogen	17.8	1.0	mg/L	10/20/14	WHM	E350.1/350.2
Nitrogen Tot Kjeldahl	46.5	1.0	mg/L	10/20/14	WHM	E351.1
Total Suspended Solids	270	17	mg/L	10/17/14	KH/CL	SM2540D
Total Metals Digestion	Completed			10/16/14	AG	

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Phyllis Shiller, Laboratory Director
October 22, 2014
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Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

October 30, 2014

FOR: Attn: Mr. Tom Deller
Veolia Water, Naugatuck Plant
500 Cherry Street
Naugatuck, CT 06770

Sample Information		Custody Information		Date	Time
Matrix:	WASTE WATER	Collected by:	RG	10/23/14	0:00
Location Code:	VEOLIANA	Received by:	LK	10/23/14	13:58
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	7766000379				

Laboratory Data

SDG ID: GBH31368
Phoenix ID: BH31369

Project ID: NAUGATUCK
Client ID: INFLUENT

Parameter	Result	RL/PQL	Units	Date/Time	By	Reference	
Arsenic	< 0.004	0.004	mg/L	10/24/14	LK	E200.7	
Nickel	0.040	0.001	mg/L	10/24/14	LK	E200.7	
Selenium	< 0.002	0.002	mg/L	10/27/14	RS	SM 3113B	
Zinc	0.164	0.002	mg/L	10/24/14	LK	E200.7	B
Carbonaceous BOD	140	22	mg/L	10/23/14 19:43	GB/RM	SM5210B	
Ammonia as Nitrogen	24.0	0.40	mg/L	10/29/14	WHM	E350.1	
Nitrite-N	0.02	0.01	mg/L	10/23/14 21:45	GD	E353.2	
Nitrate-N	< 0.01	0.01	mg/L	10/23/14 21:45	GD	E353.2	
Organic Nitrogen	11.4	2.0	mg/L	10/29/14	WHM	E350.1/350.2	
Nitrogen Tot Kjeldahl	35.4	2.0	mg/L	10/29/14	WHM	E351.1	
Total Suspended Solids	130	11	mg/L	10/24/14	KH	SM2540D	
Total Metals Digestion	Completed			10/23/14	AG		

B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

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October 30, 2014
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Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

November 06, 2014

FOR: Attn: Mr. Tom Deller
Veolia Water, Naugatuck Plant
600 Cherry Street
Naugatuck, CT 06770

Sample Information		Custody Information		Date	Time
Matrix:	WASTE WATER	Collected by:		10/29/14	0:00
Location Code:	VEOLIANA	Received by:	LB	10/30/14	15:06
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	7766000379				

Laboratory Data

SDG ID: GBH34094
Phoenix ID: BH34095

Project ID: NAUGATUCK
Client ID: INFLUENT

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
Arsenic	< 0.001	0.004	mg/L	10/31/14	EK	E200.7	
Nickel	0.143	0.001	mg/L	10/31/14	EK	E200.7	
Selenium	< 0.010	0.010	mg/L	10/31/14	EK	E200.7	
Zinc	1.23	0.002	mg/L	10/31/14	EK	E200.7	B
Carbonaceous BOD	180	63	mg/L	10/30/14 19:38	CB/RM	SM5210B	
Ammonia as Nitrogen	25.9	0.20	mg/L	11/03/14	WHM	E350.1	
Nitrite-N	0.22	0.01	mg/L	10/30/14 19:35	GD	E353.2	
Nitrate-N	0.11	0.01	mg/L	10/30/14 19:35	GD	E353.2	
Organic Nitrogen	14.9	1.0	mg/L	11/03/14	WHM	E350.1/350.2	
Nitrogen Tot Kjeldahl	40.8	1.0	mg/L	11/03/14	WHM	E351.1	
Total Suspended Solids	300	17	mg/L	10/31/14	KB	SM2540D	
Total Metals Digestion	Completed			10/30/14	AG		

B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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Phyllis Shiller, Laboratory Director
November 06, 2014
Reviewed and Released by: Deb Lawrie, Project Manager

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Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

November 11, 2014

FOR: Attn: Mr. Tom Deller
Veolia Water, Naugatuck Plant
500 Cherry Street
Naugatuck, CT 06770

Sample Information		Custody Information		Date	Time
Matrix:	WASTE WATER	Collected by:	TD	11/03/14	0:00
Location Code:	VEOLIANA	Received by:	SW	11/04/14	16:08
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	7766000379				

Laboratory Data

SDG ID: GBH35796
Phoenix ID: BH35797

Project ID: NAUGATUCK
Client ID: INFLUENT

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Arsenic	< 0.004	0.004	mg/L	11/05/14	LK	E200.7
Copper	0.121	0.005	mg/L	11/05/14	LK	E200.7
Nickel	0.059	0.001	mg/L	11/05/14	LK	E200.7
Selenium	< 0.010	0.010	mg/L	11/05/14	LK	E200.7
Zinc	0.399	0.002	mg/L	11/05/14	LK	E200.7
Carbonaceous BOD	100	78	mg/L	11/04/14 20:49	CB/RM	SM5210B
Ammonia as Nitrogen	24.0	0.20	mg/L	11/05/14	WHM	E350.1
Nitrite-N	0.01	0.01	mg/L	11/04/14 22:23	GD	E353.2
Nitrate-N	< 0.01	0.01	mg/L	11/04/14 22:23	GD	E353.2
Ortho-Phosphate-P	1.87	0.02	mg/L	11/04/14 20:56	GD	SM4500PF
Organic Nitrogen	16.7	1.0	mg/L	11/05/14	WHM	E350.1/350.2
Nitrogen Tot Kjeldahl	40.7	1.0	mg/L	11/05/14	WHM	E351.1
Phosphorus, as P	5.09	0.10	mg/L	11/05/14	JR	SM4500P E
Total Suspended Solids	430	20	mg/L	11/05/14	KH/SC	SM2540D
Total Metals Digestion	Completed			11/04/14	AG	

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

November 18, 2014

FOR: Attn: Mr. Tom Deller
Veolia Water, Naugatuck Plant
600 Cherry Street
Naugatuck, CT 06770

Sample Information		Custody Information		Date	Time
Matrix:	WASTE WATER	Collected by:	TD	11/10/14	0:00
Location Code:	VEOLIANA	Received by:	LB	11/11/14	16:20
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	2014-11-4				

Laboratory Data

SDG ID: GBH39137
Phoenix ID: BH39138

Project ID: NAUGATUCK
Client ID: INFLUENT

Parameter	Result	RL/PQL	Units	Date/Time	By	Reference	
Arsenic	< 0.004	0.004	mg/L	11/12/14	LK	E200.7	
Nickel	0.016	0.001	mg/L	11/12/14	LK	E200.7	
Selenium	< 0.002	0.002	mg/L	11/12/14	RS	SM 31138	
Zinc	0.578	0.002	mg/L	11/12/14	LK	E200.7	B
Carbonaceous BOD	250	77	mg/L	11/11/14 19:14	CB/RM	SM52108	
Ammonia as Nitrogen	25.4	0.20	mg/L	11/14/14	WHM	E350.1	
Nitrite-N	0.03	0.01	mg/L	11/11/14 19:47	GD	E353.2	
Nitrate-N	< 0.01	0.01	mg/L	11/11/14 19:47	GD	E353.2	
Organic Nitrogen	20.0	1.0	mg/L	11/14/14	WHM	E350.1/353.2	
Nitrogen Tot Kjeldahl	46.2	1.0	mg/L	11/14/14	WHM	E351.1	
Total Suspended Solids	410	20	mg/L	11/12/14	KH	SM2540D	
Total Metals Digestion	Completed			11/11/14	AG		

B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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Phyllis Shiller, Laboratory Director
November 18, 2014
Reviewed and Released by: Deb Lawrie, Project Manager

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 646-1102 Fax (860) 646-0523

Analysis Report

November 25, 2014

FOR: Attn: Mr. Tom Deller
Veolia Water, Naugatuck Plant
500 Cherry Street
Naugatuck, CT 06770

Sample Information		Custody Information		Date	Time
Matrix:	WASTE WATER	Collected by:	TD	11/18/14	0:00
Location Code:	VEOLIANA	Received by:	SW	11/18/14	16:39
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	7766000379				

Laboratory Data

SDG ID: GBH42710
Phoenix ID: BH42711

Project ID: NAUGATUCK
Client ID: INFLUENT

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Arsenic	< 0.004	0.004	mg/L	11/19/14	EK	E200.7
Nickel	0.015	0.001	mg/L	11/19/14	EK	E200.7
Selenium	< 0.010	0.010	mg/L	11/19/14	EK	E200.7
Zinc	0.336	0.002	mg/L	11/19/14	EK	E200.7 B
Carbonaceous BOD	190	53	mg/L	11/18/14 10:20	CB/RM	SM5210B
Ammonia as Nitrogen	22.4	0.20	mg/L	11/21/14	WHM	E350.1
Nitrite-N	0.01	0.01	mg/L	11/19/14 21:00	GD	E353.2
Nitrate-N	< 0.01	0.01	mg/l	11/19/14 21:06	GD	E353.2
Organic Nitrogen	16.4	1.0	mg/L	11/21/14	WHM	E350.1/353.2
Nitrogen Tot Kjeldahl	38.8	1.0	mg/L	11/21/14	WHM	E351.1
Total Suspended Solids	310	13	mg/L	11/20/14	KH	SM2540D
Total Metals Digestion	Completed			11/18/14	AG	

B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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Phyllis Shiller, Laboratory Director
November 25, 2014
Reviewed and Released by: Deb Lawrie, Project Manager

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Environmental Laboratories, Inc.
597 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

December 03, 2014

FOR: Attn: Mr. Tom Deller
Veolia Water, Naugatuck Plant
500 Cherry Street
Naugatuck, CT 06770

Sample Information		Custody Information		Date	Time
Matrix:	WASTE WATER	Collected by:	TD	11/24/14	0:00
Location Code:	VEOLIANA	Received by:	LK	11/24/14	15:47
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	7766000379				

Laboratory Data

SDG ID: GBH45198
Phoenix ID: BH45199

Project ID: NAUGATUCK
Client ID: INFLUENT

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Arsenic	< 0.004	0.004	mg/L	11/26/14	TH	E200.7
Nickel	0.011	0.001	mg/L	11/26/14	TH	E200.7
Selenium	< 0.002	0.002	mg/L	11/26/14	RS	SM 3113B
Zinc	0.190	0.002	mg/L	11/26/14	TH	E200.7
Carbonaceous BOD	220	81	mg/L	11/24/14 20:01	CB/RM	SM5210B
Ammonia as Nitrogen	24.2	0.40	mg/L	12/02/14	WHM	E350.1
Nitrite-N	0.01	0.01	mg/L	11/26/14 00:19	GD	E353.2
Nitrate-N	< 0.01	0.01	mg/L	11/26/14 00:19	GD	E353.2
Organic Nitrogen	24.4	2.0	mg/L	12/02/14	WHM	E350.1/350.2
Nitrogen Tot Kjeldahl	48.6	2.0	mg/L	12/02/14	WHM	E351.1
Total Suspended Solids	240	10	mg/L	12/01/14	KH	SM2540D
Total Metals Digestion	Completed			11/24/14	AG	

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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December 03, 2014
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587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

December 10, 2014

FOR: Attn: Mr. Tom Doller
Veolia Water, Naugatuck Plant
500 Cherry Street
Naugatuck, CT 06770

Sample Information		Custody Information		Date	Time
Matrix:	WASTE WATER	Collected by:	TD	12/01/14	0:00
Location Code:	VEOLIANA	Received by:	SW	12/02/14	15:48
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	7766000379				

Laboratory Data

SDG ID: GBH47644
Phoenix ID: BH47645

Project ID: NAUGATUCK
Client ID: INFLUENT

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
Arsenic	< 0.004	0.004	mg/L	12/03/14	LK	E200.7	
Copper	0.093	0.005	mg/L	12/03/14	LK	E200.7	
Nickel	0.007	0.001	mg/L	12/03/14	LK	E200.7	
Selenium	< 0.001	0.001	mg/L	12/05/14	TH	SM 3113B	
Zinc	0.180	0.002	mg/L	12/03/14	LK	E200.7	B
Carbonaceous BOD	130	22	mg/L	12/02/14 19:22	CB/RM	SM5210B	
Ammonia as Nitrogen	19.0	0.20	mg/L	12/03/14	WHM	E350.1	
Nitrite-N	0.13	0.01	mg/L	12/03/14 00:52	GD	E353.2	
Nitrate-N	0.24	0.01	mg/L	12/03/14 00:52	GD	E353.2	
Ortho-Phosphate-P	1.03	0.02	mg/L	12/02/14 23:24	GD	SM4500PF	
Organic Nitrogen	11.7	1.0	mg/L	12/04/14	WHM	E350.1/353.2	
Nitrogen Tot Kjeldahl	30.7	1.0	mg/L	12/04/14	WHM	E351.1	
Phosphorus, as P	3.91	0.25	mg/L	12/03/14	JR	SM4500P E	
Total Suspended Solids	210	10	mg/L	12/03/14	KH	SM2540D	
Total Metals Digestion	Completed			12/02/14	AG		

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587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

December 16, 2014

FOR: Attn: Mr. Tom Deller
Veolia Water, Naugatuck Plant
500 Cherry Street
Naugatuck, CT 06770

Sample Information		Custody Information		Date	Time
Matrix:	WASTE WATER	Collected by:	TD	12/08/14	0:00
Location Code:	VEOLIANA	Received by:	LB	12/09/14	15:36
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	7766000379				

Laboratory Data

SDG ID: GBH50881
Phoenix ID: BH50882

Project ID: NAUGATUCK
Client ID: INFLUENT

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
Arsenic	< 0.004	0.004	mg/L	12/10/14	EK	E200.7	
Nickel	0.013	0.001	mg/L	12/10/14	EK	E200.7	
Selenium	< 0.001	0.001	mg/L	12/11/14	RS	SM 3113B	
Zinc	0.432	0.002	mg/L	12/10/14	EK	E200.7	B
Carbonaceous BOD	120	24	mg/L	12/09/14 18:20	CB/RM	SM5210B	
Ammonia as Nitrogen	13.2	0.20	mg/L	12/11/14	WHM	E350.1	
Nitrite-N	0.28	0.01	mg/L	12/10/14 00:54	GD	E353.2	
Nitrate-N	0.08	0.01	mg/L	12/10/14 00:54	GD	E353.2	
Organic Nitrogen	10.0	1.0	mg/L	12/11/14	WHM	E350.1/350.2	
Nitrogen Tot Kjeldahl	23.2	1.0	mg/L	12/11/14	WHM	E351.1	
Total Suspended Solids	310	10	mg/L	12/10/14	KH	SM2540D	
Total Metals Digestion	Completed			12/09/14	AG		

B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

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Phyllis Shiller, Laboratory Director
December 16, 2014
Reviewed and Released by: Deb Lawrie, Project Manager

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687 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 646-0823

Analysis Report

December 24, 2014

FOR: Attn: Mr. Tom Deller
Veolia Water, Naugatuck Plant
500 Cherry Street
Naugatuck, CT 06770

Sample Information		Custody Information		Date	Time
Matrix:	WASTE WATER	Collected by:		12/15/14	0:00
Location Code:	VEOLIANA	Received by:	LB	12/16/14	15:11
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	2014-12-7				

Laboratory Data

SDG ID: GBH53725
Phoenix ID: BH53726

Project ID: NAUGATUCK
Client ID: INFLUENT

Parameter	Result	RL/PQL	Units	Date/Time	By	Reference
Arsenic	< 0.004	0.004	mg/L	12/17/14	LK	E200.7
Nickel	0.021	0.001	mg/L	12/17/14	LK	E200.7
Selenium	< 0.001	0.001	mg/L	12/17/14	RT	SM 3113B
Zinc	0.305	0.002	mg/L	12/17/14	LK	E200.7
Carbonaceous BOD	110	23	mg/L	12/16/14 18:30	CB/RM	SM5210B
Ammonia as Nitrogen	14.8	0.20	mg/L	12/17/14	WHM	E350.1
Nitrite-N	0.15	0.01	mg/L	12/16/14 23:24	GD	E353.2
Nitrate-N	0.70	0.01	mg/L	12/16/14 23:24	GD	E353.2
Organic Nitrogen	9.3	1.0	mg/L	12/17/14	WHM	E350.1/350.2
Nitrogen Tot Kjeldahl	24.1	1.0	mg/L	12/17/14	WHM	E351.1
Total Suspended Solids	180	10	mg/L	12/17/14	KH	SM2540D
Total Metals Digestion	Completed			12/16/14	AG	

B = Present in blank, no bias suspected

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

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December 24, 2014
Reviewed and Released by: Deb Lawrie, Project Manager

PHOENIX

Environmental Laboratories, Inc.
597 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0323

Analysis Report

December 30, 2014

FOR: Attn: Mr. Tom Deller
Veolia Water, Naugatuck Plant
500 Cherry Street
Naugatuck, CT 06770

Sample Information		Custody Information		Date	Time
Matrix:	WASTE WATER	Collected by:	TD	12/21/14	0:00
Location Code:	VEOLIANA	Received by:	SW	12/22/14	16:35
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	7766000379				

Laboratory Data

SDG ID: GBH56512
Phoenix ID: BH56513

Project ID: NAUGATUCK
Client ID: INFLUENT

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Arsenic	< 0.004	0.004	mg/L	12/23/14	EK	E200.7
Nickel	0.005	0.001	mg/L	12/23/14	EK	E200.7
Selenium	< 0.010	0.010	mg/L	12/23/14	EK	E200.7
Zinc	0.171	0.002	mg/L	12/23/14	EK	E200.7
Carbonaceous BOD	97	23	mg/L	12/22/14 20:23	CB/RM	SM5210B
Ammonia as Nitrogen	17.4	0.20	mg/L	12/26/14	WHM	E350.1
Nitrite-N	0.04	0.01	mg/L	12/24/14 02:03	GD	E353.2
Nitrate-N	< 0.01	0.01	mg/L	12/24/14 02:03	GD	E353.2
Organic Nitrogen	9.1	1.0	mg/L	12/26/14	WHM	E350.1/353.2
Nitrogen Tot Kjeldahl	26.5	1.0	mg/L	12/26/14	WHM	E351.1
Total Suspended Solids	120	10	mg/L	12/26/14	KH	SM2540D
Total Metals Digestion	Completed			12/22/14	AG	

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December 30, 2014
Reviewed and Released by: Deb Lawrie, Project Manager

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Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

January 05, 2015

FOR: Attn: Mr. Tom Deller
Veolia Water, Naugatuck Plant
500 Cherry Street
Naugatuck, CT 06770

Sample Information		Custody Information		Date	Time
Matrix:	WASTE WATER	Collected by:	TD	12/28/14	0:00
Location Code:	VEOLIANA	Received by:	LB	12/29/14	15:33
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	7766000379				

Laboratory Data

SDG ID: GBH57831
Phoenix ID: BH57832

Project ID: NAUGATUCK
Client ID: INFLUENT

Parameter	Result	RL/PQL	Units	Date/Time	By	Reference
Arsenic	< 0.004	0.004	mg/L	12/30/14	LK	E200.7
Nickel	0.004	0.001	mg/L	12/30/14	LK	E200.7
Selenium	< 0.010	0.010	mg/L	12/30/14	LK	E200.7
Zinc	0.101	0.002	mg/L	12/30/14	LK	E200.7
Carbonaceous BOD	83	26	mg/L	12/29/14 19:21	CB/RM	SM5210B
Ammonia as Nitrogen	16.6	0.10	mg/L	01/02/15	WHM	E350.1
Nitrite-N	0.17	0.01	mg/L	12/29/14 19:18	GD	E353.2
Nitrate-N	0.49	0.01	mg/L	12/29/14 19:18	GD	E353.2
Organic Nitrogen	9.1	2.0	mg/L	01/02/15	WHM	E350.1/351.2
Nitrogen Tot Kjeldahl	25.7	2.0	mg/L	01/02/15	WHM	E351.1
Total Suspended Solids	180	10	mg/L	12/30/14	KH	SM2540D
Total Metals Digestion	Completed			12/29/14	AG/T	

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Phyllis Shiller, Laboratory Director
January 05, 2015
Reviewed and Released by: Deb Lawrie, Project Manager

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Environmental Laboratories, Inc.
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Tel. (860) 645-1102 Fax (860) 646-0523

Analysis Report

January 13, 2015

FOR: Attn: Mr. Tom Deller
Veolia Water, Naugatuck Plant
500 Cherry Street
Naugatuck, CT 06770

Sample Information		Custody Information		Date	Time
Matrix:	WASTE WATER	Collected by:	TD	01/05/15	0:00
Location Code:	VEOLIANA	Received by:	LB	01/06/15	14:00
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	7766000379				

Laboratory Data

SDG ID: GBH59605
Phoenix ID: BH59606

Project ID: NAUGATUCK
Client ID: INFLUENT

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Arsenic	< 0.004	0.004	mg/L	01/07/15	LK	E200.7
Copper	0.145	0.005	mg/L	01/07/15	LK	E200.7
Nickel	0.085	0.001	mg/L	01/07/15	LK	E200.7
Selenium	< 0.001	0.001	mg/L	01/07/15	RS	SM 3113B
Zinc	0.504	0.002	mg/L	01/07/15	LK	E200.7
Carbonaceous BOD	120	92	mg/L	01/06/15 19:33	CB/RM	SM6210B
Ammonia as Nitrogen	16.1	0.20	mg/L	01/07/15	WHM	E350.1
Nitrite-N	0.14	0.01	mg/L	01/06/15 23:27	GD	E353.2
Nitrate-N	0.51	0.01	mg/L	01/06/15 23:27	GD	E353.2
Ortho-Phosphate-P	1.38	0.01	mg/L	01/06/15 22:13	CD	SM4500PF
Organic Nitrogen	12.1	1.0	mg/L	01/07/15	WHM	E350.1/350.2
Nitrogen Tot Kjeldahl	28.2	1.0	mg/L	01/07/15	WHM	E351.1
Phosphorus, as P	3.51	0.10	mg/L	01/07/15	JR	SM4500P E
Total Suspended Solids	160	10	mg/l	01/07/15	KH	SM2540D
Total Metals Digestion	Completed			01/05/15	T	

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Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0323

Analysis Report

January 20, 2015

FOR: Attn: Mr. Tom Deller
Veolia Water, Naugatuck Plant
500 Cherry Street
Naugatuck, CT 06770

Sample Information		Custody Information		Date	Time
Matrix:	WASTE WATER	Collected by:	RG	01/12/15	0:00
Location Code:	VEOLIANA	Received by:	LB	01/13/15	15:18
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	7766000379				

Laboratory Data

SDG ID: GBH62363
Phoenix ID: BH62364

Project ID: NAUGATUCK
Client ID: INFLUENT

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Arsenic	< 0.004	0.004	mg/L	01/14/15	LK	E200.7
Nickel	0.047	0.001	mg/L	01/14/15	LK	E200.7
Selenium	< 0.010	0.010	mg/L	01/14/15	LK	E200.7
Zinc	0.312	0.002	mg/L	01/14/15	LK	E200.7
Carbonaceous BOD	120	25	mg/L	01/13/15 19:08	CB/RM	SM5210B
Ammonia as Nitrogen	19.0	0.20	mg/L	01/14/15	WHM	E350.1
Nitrite-N	0.09	0.01	mg/L	01/13/15 20:24	GD	E353.2
Nitrate-N	0.35	0.01	mg/L	01/13/15 20:24	GD	E353.2
Organic Nitrogen	10.4	1.0	mg/L	01/14/15	WHM	E350.1/350.2
Nitrogen Tot Kjeldahl	29.4	1.0	mg/L	01/14/15	WHM	E351.1
Total Suspended Solids	203	10	mg/L	01/14/15	KH	SM2540D
Total Metals Digestion	Completed			01/13/15	T	

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January 20, 2015
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Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

January 28, 2015

FOR: Attn: Mr. Tom Deller
Veolia Water, Naugatuck Plant
500 Cherry Street
Naugatuck, CT 06770

Sample Information

Matrix:	WASTE WATER
Location Code:	VEOLIANA
Rush Request:	Standard
P.O.#:	2015-17

Custody Information

		Date	Time
Collected by:	TD	01/20/15	0:00
Received by:	SW	01/20/15	14:22
Analyzed by:	see "By" below		

Laboratory Data

SDG ID: GBH64969
Phoenix ID: BH64970

Project ID: NAUGATUCK
Client ID: INFLUENT

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Arsenic	< 0.004	0.004	mg/L	01/21/15	LK	E200.7
Nickel	0.012	0.001	mg/L	01/21/15	LK	E200.7
Selenium	< 0.001	0.001	mg/L	01/22/15	RS	SM 3113B
Zinc	0.242	0.002	mg/L	01/21/15	LK	E200.7
Carbonaceous BOD	130	25	mg/L	01/20/15 18:59	CB/RM	SM5210B
Ammonia as Nitrogen	14.8	0.20	mg/L	01/21/15	WHM	E350.1
Nitrite-N	0.16	0.01	mg/L	01/20/15 23:41	GD	E353.2
Nitrate-N	0.03	0.01	mg/L	01/20/15 23:41	GD	E353.2
Organic Nitrogen	11.2	1.0	mg/L	01/21/15	WHM	E350.1/350.2
Nitrogen Tot Kjeldahl	26.0	1.0	mg/L	01/21/15	WHM	E351.1
Total Suspended Solids	540	10	mg/L	01/21/15	KH	SM2540D
Total Metals Digestion	Completed			01/20/15	AG	

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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Phyllis Shiller, Laboratory Director
January 28, 2015
Reviewed and Released by: Deb Lawrie, Project Manager

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

February 03, 2015

FOR: Attn: Mr. Tom Deller
Veolia Water, Naugatuck Plant
500 Cherry Street
Naugatuck, CT 06770

Sample Information		Custody Information		Date	Time
Matrix:	WASTE WATER	Collected by:	RG	01/25/15	0:00
Location Code:	VEOLIANA	Received by:	LPB	01/26/15	19:10
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	2016-1-10				

Laboratory Data

SDG ID: GBH67536
Phoenix ID: BH67537

Project ID: NAUGATUCK
Client ID: INFLUENT

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Arsenic	< 0.004	0.004	mg/L	01/29/15	LK	E200.7
Cadmium	0.0002	0.0001	mg/L	01/30/15	RS	SM3113B
Nickel	0.004	0.001	mg/L	01/29/15	LK	E200.7
Selenium	< 0.001	0.001	mg/L	01/30/15	RS	SM 3113B
Zinc	0.151	0.002	mg/L	01/29/15	LK	E200.7
Carbonaceous BOD	120	23	mg/L	01/26/15 19:10	CB/RM	SM5210B
Ammonia as Nitrogen	18.4	0.40	mg/L	01/29/15	WHM	E350.1
Nitrite as Nitrogen	0.21	0.01	mg/L	01/26/15 20:30	BS/EG	300.0
Nitrate as Nitrogen	0.93	0.05	mg/L	01/26/15 20:30	BS/EG	300.0
Organic Nitrogen	22.8	2.0	mg/L	01/29/15	WHM	E300.0/350.2
Nitrogen Tot Kjeldahl	41.2	2.0	mg/L	01/29/15	WHM	E351.1
Total Suspended Solids	240	10	mg/L	01/28/15	KH	SM2540D
Total Metals Digestion	Completed			01/28/15	AG	

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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Phyllis Shiller, Laboratory Director
February 03, 2015
Reviewed and Released by: Deb Lawrie, Project Manager

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

February 10, 2015

FOR: Attn: Mr. Tom Deller
Veolia Water, Naugatuck Plant
500 Cherry Street
Naugatuck, CT 06770

Sample Information		Custody Information		Date	Time
Matrix:	WASTE WATER	Collected by:	TD	02/02/15	0:00
Location Code:	VEOLIANA	Received by:	LB	02/03/15	15:33
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH69432
Phoenix ID: BH69433

Project ID: NAUGATUCK
Client ID: INFLUENT

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Arsenic	< 0.004	0.004	mg/L	02/04/15	LK	E200.7
Copper	0.066	0.005	mg/L	02/04/15	LK	E200.7
Nickel	0.006	0.001	mg/L	02/05/15	LK	E200.7
Selenium	< 0.001	0.001	mg/L	02/04/15	RS	SM 3113B
Zinc	0.164	0.002	mg/L	02/04/15	LK	E200.7
Carbonaceous BOD	180	100	mg/L	02/03/15 20:05	CB/RM	SM5210B
Ammonia as Nitrogen	21.1	0.20	mg/L	02/04/15	WHM	E350.1
Nitrite-N	0.24	0.01	mg/L	02/03/15 21:18	GD	E353.2
Nitrate-N	1.30	0.01	mg/L	02/03/15 21:18	GD	E353.2
Ortho-Phosphate-P	2.00	0.02	mg/L	02/03/15 20:00	GD	SM4500PF
Organic Nitrogen	13.3	1.0	mg/L	02/04/15	WHM	E350.1/350.2
Nitrogen Tot Kjeldahl	34.4	1.0	mg/L	02/04/15	WHM	E351.1
Phosphorus, as P	4.80	0.25	mg/L	02/04/15	JR	SM4500P E
Total Suspended Solids	240	10	mg/L	02/04/15	KH	SM2540D
Total Metals Digestion	Completed			02/03/15	AG	

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Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

February 17, 2015

FOR: Attn: Mr. Tom Deller
Veolia Water, Naugatuck Plant
500 Cherry Street
Naugatuck, CT 06770

Sample Information		Custody Information		Date	Time
Matrix:	WASTE WATER	Collected by:	TD	02/09/15	0:00
Location Code:	VEOLIANA	Received by:	LB	02/10/15	16:01
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH71896
Phoenix ID: BH71897

Project ID: NAUGATUCK
Client ID: INFLUENT

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Arsenic	< 0.004	0.004	mg/L	02/11/15	LK	E200.7
Nickel	0.014	0.001	mg/L	02/12/15	LK	E200.7
Selenium	< 0.001	0.001	mg/L	02/11/15	RS	SM 3113B
Zinc	0.350	0.002	mg/L	02/11/15	LK	E200.7
Carbonaceous BOD	180	100	mg/L	02/10/15 19:08	CB/RM	SM5210B
Ammonia as Nitrogen	18.7	0.40	mg/L	02/12/15	WHM	E350.1
Nitrite-N	0.23	0.01	mg/L	02/10/15 22:11	GD	E353.2
Nitrate-N	0.82	0.01	mg/L	02/10/15 23:22	GD	E353.2
Organic Nitrogen	20.0	2.0	mg/L	02/12/15	WHM	E350.1/350.2
Nitrogen Tot Kjeldahl	38.7	2.0	mg/L	02/12/15	WHM	E351.1
Total Suspended Solids	290	10	mg/L	02/11/15	KH	SM2540D
Total Metals Digestion	Completed			02/10/15	AG	

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Comments:

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Phyllis Shiller, Laboratory Director
February 17, 2015
Reviewed and Released by: Deb Lawrie, Project Manager

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

February 24, 2015

FOR: Attn: Mr. Tom Deller
Veolia Water, Naugatuck Plant
500 Cherry Street
Naugatuck, CT 06770

Sample Information		Custody Information		Date	Time
Matrix:	WASTE WATER	Collected by:	TD	02/16/15	0:00
Location Code:	VEOLIANA	Received by:	LB	02/17/15	14:22
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	2015-2-7				

Laboratory Data

SDG ID: GBH73877
Phoenix ID: BH73878

Project ID: NAUGATUCK
Client ID: INFLUENT

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Arsenic	< 0.004	0.004	mg/L	02/17/15	LK	E200.7
Nickel	0.010	0.001	mg/L	02/17/15	LK	E200.7
Selenium	0.003	0.001	mg/L	02/20/15	RS	SM3113B-10
Zinc	0.279	0.002	mg/L	02/17/15	LK	E200.7
Carbonaceous BOD	150	28	mg/L	02/17/15 10:40	CB/RM	SM5210B-01
Ammonia as Nitrogen	17.7	1.0	mg/L	02/19/15	WHM	E350.1
Nitrite-N	0.50	0.04	mg/L	02/18/15 00:46	GD	E353.2
Nitrate-N	1.53	0.08	mg/L	02/18/15 00:46	GD	E353.2
Organic Nitrogen	16.7	2.0	mg/L	02/19/15	WHM	E350.1/E350.2
Nitrogen Tot Kjeldahl	34.4	2.0	mg/L	02/19/15	WHM	E351.1
Total Suspended Solids	300	10	mg/L	02/18/15	KH	SM2540D-97
Total Metals Digestion	Completed			02/17/15	AG	

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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Phyllis Shiller, Laboratory Director
February 24, 2015
Reviewed and Released by: Deb Lavirio, Project Manager

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

March 03, 2015

FOR: Attn: Mr. Tom Deller
Veolia Water, Naugatuck Plant
500 Cherry Street
Naugatuck, CT 06770

Sample Information		Custody Information		Date	Time
Matrix:	WASTE WATER	Collected by:	TD	02/23/15	0:00
Location Code:	VEOLIANA	Received by:	LB	02/24/15	16:16
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH76238
Phoenix ID: BH76239

Project ID: NAUGATUCK
Client ID: INFLUENT

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Arsenic	< 0.004	0.004	mg/L	02/25/15	LK	E200.7
Nickel	0.012	0.001	mg/L	02/25/15	LK	E200.7
Selenium	< 0.001	0.001	mg/L	02/28/15	RS	SM3113B-10
Zinc	0.233	0.002	mg/L	02/25/15	LK	E200.7
Carbonaceous BOD	110	20	mg/L	02/24/15 18:56	GB/RM	SM5210B-01
Ammonia as Nitrogen	19.0	1.0	mg/L	02/28/15	WHM	E350.1
Nitrite-N	0.01	0.01	mg/L	02/25/15 01:43	GD	E353.2
Nitrate-N	< 0.02	0.02	mg/L	02/25/15 01:43	GD	E353.2
Organic Nitrogen	10.8	2.0	mg/L	02/28/15	WHM	E350.1/E351.2
Nitrogen Tot Kjeldahl	29.8	2.0	mg/L	02/28/15	WHM	E351.1
Total Suspended Solids	86	10	mg/L	02/25/15	KH	SM2540D-97
Total Metals Digestion	Completed			02/24/15	AG	

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March 03, 2015
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PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

March 10, 2015

FOR: Attn: Mr. Tom Deller
Veolia Water, Naugatuck Plant
500 Cherry Street
Naugatuck, CT 06770

Sample Information		Custody Information		Date	Time
Matrix:	WASTE WATER	Collected by:	TD	03/02/15	0:00
Location Code:	VEOLIANA	Received by:	SW	03/03/15	14:43
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	2015-3-1				

Laboratory Data

SDG ID: GBH78637
Phoenix ID: BH78638

Project ID: NAUGATUCK
Client ID: INFLUENT

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Arsenic	< 0.004	0.004	mg/L	03/05/15	LK	E200.7
Copper	0.119	0.005	mg/L	03/05/15	LK	E200.7
Nickel	0.007	0.001	mg/L	03/05/15	LK	E200.7
Selenium	< 0.001	0.001	mg/L	03/06/15	TH	SM3113B-10
Zinc	0.344	0.002	mg/L	03/05/15	LK	E200.7
Carbonaceous BOD	220	110	mg/L	03/03/15 18:38	CB/RM	SM5210B-01
Ammonia as Nitrogen	22.6	0.50	mg/L	03/04/15	WHM	E350.1
Nitrite-N	0.01	0.01	mg/L	03/04/15 03:43	GD	E353.2
Nitrate-N	< 0.02	0.02	mg/L	03/04/15 03:43	GD	E353.2
Ortho-Phosphate-P	2.37	0.05	mg/L	03/03/15 23:41	GD	SM4500PE-99
Organic Nitrogen	15.9	1.0	mg/L	03/04/15	WHM	E350.1/E350.2
Nitrogen Tot Kjeldahl	38.5	1.0	mg/L	03/04/15	WHM	E351.1
Phosphorus, as P	6.28	0.25	mg/L	03/04/15	JR	SM4500PE-99
Total Suspended Solids	310	10	mg/L	03/04/15	KH	SM2540D-97
Total Metals Digestion	Completed			03/03/15	AG	

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Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 646-0823

Analysis Report

March 17, 2015

FOR: Attn: Mr. Tom Deller
Veolia Water, Naugatuck Plant
500 Cherry Street
Naugatuck, CT 06770

Sample Information		Custody Information		Date	Time
Matrix:	WASTE WATER	Collected by:	TD	03/09/15	0:00
Location Code:	VEOLIANA	Received by:	LB	03/10/15	16:21
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	2015-3-4				

Laboratory Data

SDG ID: GBH81053
Phoenix ID: BH81054

Project ID: NAUGATUCK
Client ID: INFLUENT

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Arsenic	< 0.004	0.004	mg/L	03/11/15	EK	E200.7
Nickel	0.020	0.001	mg/L	03/11/15	EK	E200.7
Selenium	< 0.001	0.001	mg/L	03/12/15	RS	SM3113B-10
Zinc	0.212	0.002	mg/L	03/11/15	EK	E200.7
Carbonaceous BOD	100	27	mg/L	03/10/15 18:60	CB/RM	SM5210B-01
Ammonia as Nitrogen	19.5	0.50	mg/L	03/12/15	WHM	E350.1
Nitrite-N	0.13	0.01	mg/L	03/10/15 22:01	GD	E353.2
Nitrate-N	0.44	0.02	mg/L	03/10/15 22:01	GD	E353.2
Organic Nitrogen	11.6	1.0	mg/L	03/12/15	WHM	E350.1/E350.2
Nitrogen Tot Kjeldahl	31.1	1.0	mg/L	03/12/15	WHM	E351.1
Total Suspended Solids	190	10	mg/L	03/12/15	KH	SM2540D-97
Total Metals Digestion	Completed			03/10/15	AG	

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March 17, 2015
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Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 646-1102 Fax (860) 646-0823

Analysis Report

March 24, 2015

FOR: Attn: Mr. Tom Deller
Veolia Water, Naugatuck Plant
500 Cherry Street
Naugatuck, CT 06770

Sample Information		Custody Information		Date	Time
Matrix:	WASTE WATER	Collected by:	TD	03/16/15	0:00
Location Code:	VEOLIANA	Received by:	SW	03/17/15	15:23
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	2015-3-7				

Laboratory Data

SDG ID: GBH84214
Phoenix ID: BH84215

Project ID: NAUGATUCK
Client ID: INFLUENT

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Arsenic	< 0.004	0.004	mg/L	03/19/15	LK	E200.7
Nickel	0.015	0.001	mg/L	03/18/15	EK	E200.7
Selenium	< 0.001	0.001	mg/L	03/18/15	RS	SM3113B-10
Zinc	0.053	0.002	mg/L	03/19/15	LK	E200.7
Carbonaceous BOD	35	27	mg/L	03/17/15 18:30	CB/RM	SM5210B-01
Ammonia as Nitrogen	10.3	0.25	mg/L	03/19/15	WHM	E350.1
Nitrite-N	0.12	0.01	mg/L	03/17/15 20:45	GD	E353.2
Nitrate-N	1.05	0.02	mg/L	03/17/15 20:45	GD	E353.2
Organic Nitrogen	3.5	0.5	mg/L	03/19/15	WHM	E350.1/E350.2
Nitrogen Tot Kjeldahl	13.8	0.50	mg/L	03/19/15	WHM	E351.1
Total Suspended Solids	26	5.0	mg/L	03/19/15	KH	SM2540D-97
Total Metals Digestion	Completed			03/17/15	AG	

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March 24, 2015
Reviewed and Released by: Deb Lawrie, Project Manager

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507 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

March 31, 2015

FOR: Attn: Mr. Tom Deller
Veolia Water, Naugatuck Plant
500 Cherry Street
Naugatuck, CT 06770

Sample Information		Custody Information		Date	Time
Matrix:	WASTE WATER	Collected by:	TD	03/23/15	0:00
Location Code:	VEOLIANA	Received by:	LK	03/24/15	14:55
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	2015-3-10				

Laboratory Data

SDG ID: GBH87148
Phoenix ID: BH87149

Project ID: NAUGATUCK
Client ID: INFLUENT

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Arsenic	< 0.004	0.004	mg/L	03/25/15	LK	E200.7
Nickel	0.009	0.001	mg/L	03/25/15	LK	E200.7
Selenium	< 0.001	0.001	mg/L	03/25/15	RS	SM3113B-10
Zinc	0.097	0.002	mg/L	03/25/15	LK	E200.7
Carbonaceous BOD	77	26	mg/L	03/24/15 17:15	CB/RM	SM5210B-01
Ammonia as Nitrogen	10.6	0.50	mg/L	03/25/15	VHM	E350.1
Nitrite-N	0.12	0.01	mg/L	03/24/15 20:30	GD	E353.2
Nitrate-N	0.59	0.02	mg/L	03/24/15 20:30	GD	E353.2
Organic Nitrogen	6.3	1.0	mg/L	03/25/15	VHM	E350.1/E350.2
Nitrogen Tot Kjeldahl	16.9	1.0	mg/L	03/25/15	VHM	E351.1
Total Suspended Solids	150	6.7	mg/l	03/25/15	KH	SM2540D-97
Total Metals Digestion	Completed			03/24/15	AG	

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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Phyllis Shiller, Laboratory Director
March 31, 2015
Reviewed and Released by: Deb Lawrie, Project Manager

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Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 646-0823

Analysis Report

April 08, 2015

FOR: Attn: Mr. Tom Deller
Veolia Water, Naugatuck Plant
500 Cherry Street
Naugatuck, CT 06770

Sample Information

Matrix:	WASTE WATER
Location Code:	VEOLIANA
Rush Request:	Standard
P.O.#:	7766000379

Custody Information

		Date	Time
Collected by:	TD	04/01/15	0:00
Received by:	LB	04/02/15	14:18
Analyzed by:	see "By" below		

Laboratory Data

SDG ID: GBH91317
Phoenix ID: BH91318

Project ID: NAUGATUCK
Client ID: INFLUENT

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Arsenic	< 0.004	0.004	mg/L	1	04/03/15	LK	E200.7	
Copper	0.043	0.005	mg/L	1	04/03/15	LK	E200.7	
Nickel	0.007	0.001	mg/L	1	04/03/15	LK	E200.7	
Selenium	< 0.001	0.001	mg/L	1	04/06/15	RS	SM3113B-10	
Zinc	0.089	0.002	mg/L	1	04/03/15	LK	E200.7	B
Carbonaceous BOD	60	20	mg/L	20	04/02/15 17:30	CB/RM	SM5210B-01	
Ammonia as Nitrogen	10.5	0.50	mg/L	10	04/06/15	WHM	E350.1	
Nitrite-N	0.18	0.01	mg/L	1	04/02/15 20:47	GD	E353.2	
Nitrate-N	0.54	0.02	mg/L	1	04/02/15 20:47	GD	E353.2	
Ortho-Phosphate-P	1.25	0.01	mg/L	1	04/02/15 19:54	GD	SM4500PE-99	
Organic Nitrogen	5.9	1.0	mg/L	10	04/06/15	WHM	E350.1/E350.2	
Nitrogen Tot Kjeldahl	16.4	1.0	mg/L	10	04/06/15	WHM	E351.1	
Phosphorus, as P	2.62	0.10	mg/L	10	04/06/15	MA	SM4500PE-99	
Total Suspended Solids	130	10	mg/L	2	04/07/15	KH	SM2540D-97	
Total Metals Digestion	Completed				04/02/15	AG		

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Environmental Laboratories, Inc.
537 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

April 15, 2015

FOR: Attn: Mr. Tom Deller
Veolia Water, Naugatuck Plant
500 Cherry Street
Naugatuck, CT 06770

Sample Information		Custody Information		Date	Time
Matrix:	WASTE WATER	Collected by:	RG	04/08/15	0:00
Location Code:	VEOLIANA	Received by:	LK	04/09/15	16:30
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	7766000379				

Laboratory Data

SDG ID: GBJ00346
Phoenix ID: BJ00347

Project ID: NAUGATUCK
Client ID: INFLUENT

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Arsenic	< 0.004	0.004	mg/L	1	04/10/15	EK	E200.7
Nickel	0.048	0.001	mg/L	1	04/10/15	EK	E200.7
Selenium	< 0.001	0.001	mg/L	1	04/13/15	RS	SM3113B-10
Zinc	0.912	0.002	mg/L	1	04/10/15	EK	E200.7
Carbonaceous BOD	57	30	mg/L	20	04/09/15 18:00	CB/RM	SM5210B-01
Ammonia as Nitrogen	10.6	0.60	mg/L	10	04/13/15	WHM	E350.1
Nitrite-N	0.29	0.02	mg/L	2	04/09/15 23:03	GD	E353.2
Nitrate-N	2.51	0.04	mg/L	2	04/09/15 23:03	GD	E353.2
Organic Nitrogen	5.3	1.0	mg/L	10	04/13/15	WHM	E350.1/E350.2
Nitrogen Tot Kjeldahl	15.8	1.0	mg/L	10	04/13/15	WHM	E351.1
Total Suspended Solids	41	10	mg/L	2	04/11/15	KH	SM2540D-97
Total Metals Digestion	Completed				04/09/15	AG	

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

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Phyllis Shiller, Laboratory Director
April 15, 2015
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Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel (860) 645-1102 Fax (860) 646-0823

Analysis Report

April 23, 2015

FOR: Attn: Mr. Tom Deller
Veolia Water, Naugatuck Plant
500 Cherry Street
Naugatuck, CT 06770

Sample Information

Matrix:	WASTE WATER
Location Code:	VECLIAN/A
Rush Request:	Standard
P.O.#:	77680003'9

Custody Information

		Date	Time
Collected by:	RG	04/16/15	
Received by:	LB	04/17/15	15:20
Analyzed by:	see "By" below		

Laboratory Data

SDG ID: GBJ04071
Phoenix ID: BJ04072

Project ID: NAUGATUCK
Client ID: INFLUENT

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Arsenic	< 0.004	0.004	mg/L	1	04/20/15	LK	E200.7
Nickel	0.012	0.001	mg/L	1	04/20/15	LK	E200.7
Selenium	< 0.001	0.001	mg/L	1	04/22/15	RS	SM3113B-10
Zinc	0.265	0.002	mg/L	1	04/20/15	LK	E200.7
Carbonaceous BOD	150	28	mg/L	20	04/17/15 18:10	CB/RM	SM5210B-01
Ammonia as Nitrogen	9.35	0.50	mg/L	10	04/21/15	WHM	E350.1
Nitrite-N	0.01	0.01	mg/L	1	04/17/15 20:24	GD	E353.2
Nitrate-N	< 0.02	0.02	mg/L	1	04/17/15 20:24	GD	E353.2
Organic Nitrogen	7.7	1.0	mg/L	10	04/21/15	WHM	E350.1/E350.2
Nitrogen Tot Kjeldahl	17.1	1.0	mg/L	10	04/21/15	WHM	E351.1
Total Suspended Solids	430	10	mg/L	2	04/21/15	KH	SM2540D-07
Total Metals Digestion	Completed				04/17/15	AG	

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
April 23, 2015
Reviewed and Released by: Bob Lawrie, Project Manager

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 646 0823

Analysis Report

April 30, 2015

FOR: Attn: Mr. Tom Deller
Veolia Water, Naugatuck Plant
500 Cherry Street
Naugatuck, CT 06770

Sample Information

Matrix:	WASTE WATER
Location Code:	VEOLIANA
Rush Request:	Standard
P.O.#.	7766000379

Custody Information

		Date	Time
Collected by:	TD	04/22/15	
Received by:	LB	04/23/15	16:01
Analyzed by:	see "By" below		

Laboratory Data

SDG ID: GBJ06954
Phoenix ID: BJ06955

Project ID: NAUGATUCK
Client ID: INFLUENT

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Arsenic	< 0.004	0.004	mg/L	1	04/24/15	LK	E200.7
Nickel	0.009	0.001	mg/L	1	04/24/15	LK	E200.7
Selenium	< 0.001	0.001	mg/L	1	04/29/15	RS	SM3113B-10
Zinc	0.102	0.002	mg/L	1	04/24/15	LK	E200.7
Carbonaceous BOD	45	30	mg/L	20	04/23/15 10:40	CB/RM	SM5210B-01
Ammonia as Nitrogen	9.00	0.50	mg/L	10	04/28/15	WHM	E350.1
Nitrite-N	0.15	0.01	mg/L	1	04/23/15 21:45	GD	E353.2
Nitrate-N	0.77	0.02	mg/L	1	04/23/15 21:45	GD	E353.2
Organic Nitrogen	4.5	1.0	mg/L	10	04/28/15	WHM	E350.1/E350.2
Nitrogen Tot Kjeldahl	13.5	1.0	mg/L	10	04/28/15	WHM	E351.1
Total Suspended Solids	110	10	mg/L	2	04/24/15	KH	SM2540D-97
Total Metals Digestion	Completed				04/23/15	AG	

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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Phyllis Shiller, Laboratory Director
April 30, 2015
Reviewed and Released by: Deb Lavirio, Project Manager

PHOENIX

Environmental Laboratories, Inc.
607 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report
May 12, 2015

FOR: Attn: Mr. Tom Deller
Veolia Water, Naugatuck Plant
500 Cherry Street
Naugatuck, CT 06770

Sample Information		Custody Information		Date	Time
Matrix:	WASTE WATER	Collected by:	TD	05/04/15	
Location Code:	VEOLIANA	Received by:	SW	05/05/15	16:04
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	7766000379				

Laboratory Data

SDG ID: GBJ12071
Phoenix ID: BJ12072

Project ID: NAUGATUCK
Client ID: INFLUENT

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Arsenic	< 0.004	0.004	mg/L	1	05/07/15	LK	E200.7
Copper	0.088	0.005	mg/L	1	05/07/15	LK	E200.7
Nickel	0.009	0.001	mg/L	1	05/07/15	LK	E200.7
Selenium	< 0.001	0.001	mg/L	1	05/07/15	RS	SM3113B-10
Zinc	0.221	0.002	mg/L	1	05/07/15	LK	E200.7
Carbonaceous BOD	110	29	mg/L	20	05/05/15 18:30	CB/RM	SM5210B-01
Ammonia as Nitrogen	18.1	1.0	mg/L	20	05/07/15	WHM	E350.1
Nitrite-N	< 0.01	0.01	mg/L	1	05/05/15 22:21	GD	E353.2
Nitrate-N	< 0.02	0.02	mg/L	1	05/05/15 22:21	GD	E353.2
Ortho-Phosphate-P	1.44	0.02	mg/L	2	05/05/15 20:34	GD	SM4500PF-99
Organic Nitrogen	12.5	2.0	mg/L	20	05/07/15	WHM	E350.1/E350.2
Nitrogen Tot Kjeldahl	30.6	2.0	mg/L	20	05/07/15	WHM	E351.1
Phosphorus, as P	3.47	0.10	mg/L	10	05/06/15	JR	SM4500PE-99
Total Suspended Solids	180	10	mg/L	2	05/07/15	KH	SM2540D-97
Total Metals Digestion	Completed				05/05/15	AG	

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report
May 19, 2015

FOR: Attn: Mr. Tom Deller
Veolia Water, Naugatuck Plant
500 Cherry Street
Naugatuck, CT 06770

Sample Information		Custody Information		Date	Time
Matrix:	WASTE WATER	Collected by:	TD	05/11/15	
Location Code:	VEOLIANA	Received by:	B	05/12/15	15:54
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	7766000379				

Laboratory Data

SDG ID: GBJ15203
Phoenix ID: BJ15204

Project ID: NAUGATUCK
Client ID: INFLUENT

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Arsenic	< 0.004	0.004	mg/L	1	05/16/15	LK	E200.7
Nickel	0.015	0.001	mg/L	1	05/16/15	LK	E200.7
Selenium	< 0.001	0.001	mg/L	1	05/15/15	RS	SM3113B-10
Zinc	0.234	0.002	mg/L	1	05/16/15	LK	E200.7
Carbonaceous BOD	100	26	mg/L	20	05/12/15 18:30	CB/RM	SM5210B-01
Ammonia as Nitrogen	18.5	1.0	mg/L	20	05/14/15	WHM	E350.1
Nitrite-N	0.33	0.01	mg/L	1	05/12/15 21:21	GD	E353.2
Nitrate-N	< 0.02	0.02	mg/L	1	05/12/15 21:21	GD	E353.2
Organic Nitrogen	12.9	2.0	mg/L	20	05/14/15	WHM	E350.1/E350.2
Nitrogen Tot Kjeldahl	31.4	2.0	mg/L	20	05/14/15	WHM	E351.1
Total Suspended Solids	140	10	mg/L	2	05/13/15	KH	SM2540D-97
Total Metals Digestion	Completed				05/12/15	AG	

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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Phyllis Shiller, Laboratory Director
May 19, 2015
Reviewed and Released by: Kathleen Crossia, QA/QC Officer

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report
May 27, 2015

FOR: Attn: Mr. Tom Deller
Veolia Water, Naugatuck Plant
500 Cherry Street
Naugatuck, CT 06770

Sample Information		Custody Information		Date	Time
Matrix:	WASTE WATER	Collected by:	TD	05/18/15	
Location Code:	VEOLIANA	Received by:	LPB	05/19/15	16:30
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	2015-5-7				

Laboratory Data

SDG ID: GBJ18934
Phoenix ID: BJ18935

Project ID: NAUGATUCK
Client ID: INFLUENT

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Arsenic	< 0.004	0.004	mg/L	1	05/21/15	LK	E200.7
Nickel	0.014	0.001	mg/L	1	05/21/15	LK	E200.7
Selenium	< 0.001	0.001	mg/L	1	05/21/15	RS	SM3113B-10
Zinc	0.116	0.002	mg/L	1	05/21/15	LK	E200.7
Carbonaceous BOD	120	22	mg/L	20	05/19/15 19:05	CB/RM	SM5210B-01
Ammonia as Nitrogen	19.9	0.50	mg/L	10	05/21/15	WHM	E350.1
Nitrite-N	0.02	0.01	mg/L	1	05/19/15 23:41	GD	E353.2
Nitrate-N	< 0.02	0.02	mg/L	1	05/19/15 23:41	GD	E353.2
Organic Nitrogen	10.2	1.0	mg/L	10	05/21/15	WHM	E350.1/E350.2
Nitrogen Tot Kjeldahl	30.1	1.0	mg/L	10	05/21/15	WHM	E351.1
Total Suspended Solids	140	10	mg/L	2	05/20/15	MN/KH	SM2540D-97
Total Metals Digestion	Completed				05/19/15	AG	

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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Phyllis Shiller, Laboratory Director
May 27, 2015
Reviewed and Released by: Kathleen Gressia, QA/QC Officer

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

June 02, 2015

FOR: Attn: Mr. Tom Deller
Veolia Water, Naugatuck Plant
500 Cherry Street
Naugatuck, CT 06770

Sample Information		Custody Information		Date	Time
Matrix:	WASTE WATER	Collected by:	TD	05/25/15	
Location Code:	VEOLIANA	Received by:	SW	05/26/15	15:30
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	7766000379				

Laboratory Data

SDG ID: GBJ21567
Phoenix ID: BJ21568

Project ID: NAUGATUCK
Client ID: INFLUENT

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Arsenic	< 0.004	0.004	mg/L	1	05/27/15	LK	E200.7
Nickel	0.006	0.001	mg/L	1	05/27/15	LK	E200.7
Selenium	< 0.010	0.010	mg/L	1	05/27/15	LK	E200.7
Zinc	0.165	0.002	mg/L	1	05/27/15	LK	E200.7
Carbonaceous BOD	130	100	mg/L	75	05/28/15 18:05	CB/RM	SM5210B-01
Ammonia as Nitrogen	22.9	0.50	mg/L	10	05/28/15	WHM	E350.1
Nitrite-N	0.02	0.01	mg/L	1	05/26/15 19:55	GD	E353.2
Nitrate-N	< 0.02	0.02	mg/L	1	05/26/15 19:55	GD	E353.2
Organic Nitrogen	13.0	1.0	mg/L	10	05/28/15	WHM	E350.1/E350.2
Nitrogen Tot Kjeldahl	35.9	1.0	mg/L	10	05/28/15	WHM	E351.1
Total Suspended Solids	190	9.1	mg/L	1.8	05/27/15	KDB/KH	SM2540D-97
Total Metals Digestion	Completed				05/26/15	AG	

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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Phyllis Shiller, Laboratory Director
June 02, 2015
Reviewed and Released by: Deb Lawrie, Project Manager

Naugatuck WPCF

Sample month/year September, 2014

Facility ID: 088-001

Permit #: CT0100641

Date received: (stamped)

 Revised

	Daily Flow			Primary Sludge			Aeration Tank #1				Return Sludge		Aeration Tank #2				Return Sludge		Waste Sludge	Dry Solids to Incineration	Waste Accepted		CBOD (5-Day)		
	Max.	Min.	Total	Vol.	% solids	wt.	MLSS	SVI	High D.O.	Low D.O.			MLSS	SVI	High D.O.	Low D.O.	% Flow	%Solids			Septic	Indust	Inf.	Prim eff.	Final eff.
Units	mgd			MG		lbs.			mg/l		% Flow	% Solids			mg/l				lbs	lbs	gal	gal	mg/l		
Freq	Daily			Work Day			Work Day		4/ work day				Work Day		4/Work Day		Work Day		Wk Day	Wk Day	Work Day		3/week		
1	5.1	1.8	3.5	0.443					2.2	0.9	301				2.5	0.5			1,871	103,645	2,450		180	81	<4
2	4.7	2.0	3.7	0.409			6,540	96	2.3	0.7	280	0.82	5,360	106	2.7	1.3	0.82	0.82	8,371	64,670	41,200		160	120	<4
3	4.5	1.2	3.2	0.426			5,716	115	2.5	1.0	310	0.79	5,460	115	2.4	1.3	0.87	0.70	6,678	102,721	34,200		190		5
4	5.1	1.4	3.7	0.453			5,936	103	2.5	0.9	272	0.83	5,488	100	2.6	1.6	0.89	0.77	4,519	147,888	41,000				
5	4.8	1.5	3.4	0.445			5,400	126	2.4	0.8	287	0.87	6,784	81	2.7	1.4	0.94	0.80	2,960	166,416	51,350				
6	5.0	0.5	3.3	0.534					3.9	1.0	301				4.7	1.2			4,441	169,716	7,750				
7	4.8	1.3	3.4	0.466					5.0	1.0	287				5.0	1.1			8,141	149,988	2,500				
8	4.4	1.3	3.5	0.468			5,256	124	2.2	0.8	279	0.97	5,428	120	3.0	1.6	0.91	1.02	9,646	97,022	48,750		230	94	<4
9	4.3	1.5	3.2	0.413			4,676	145	1.8	0.8	291	0.83	5,244	130	4.1	1.7	0.88	0.78	2,471	158,496	45,000		100		<4
10	4.7	1.5	3.3	0.423			5,164	130	1.8	1.0	292	0.84	5,432	122	2.9	1.7	0.82	0.85	5,683	137,784	43,000		97		<4
11	4.3	1.6	3.4	0.448			4,920	132	2.0	0.9	308	0.85	5,524	114	2.5	1.6	0.76	0.94	5,785	167,015	53,450				
12	4.3	1.9	3.4	0.481			6,144	98	4.1	0.9	299	0.77	5,340	103	5.0	1.6	0.75	0.78	3,905	176,532	49,450				
13	4.9	2.0	3.5	0.511					1.9	0.8	296				2.6	1.4			2,603	187,236	5,550				
14	4.9	1.9	3.3	0.485					2.3	1.0	274				2.5	1.5			2,603	185,772	0				
15	4.8	1.7	3.3	0.481			6,116	106	2.1	0.9	322	0.92	6,136	98	3.0	2.1	0.91	0.92	4,670	91,229	48,800		190	110	2
16	4.3	0.7	3.2	0.472			5,148	109	2.0	0.8	299	0.76	5,008	106	5.0	1.6	0.86	0.66	3,879	102,222	40,450		140		<4
17	4.3	1.5	3.3	0.487			4,528	124	2.0	0.9	295	0.77	6,148	81	2.5	1.2	0.85	0.68	3,905	142,342	38,500		230		<4
18	6.6	1.7	3.4	0.488			5,312	100	2.2	0.8	222	0.71	4,980	76	2.4	0.9	0.76	0.66	3,624	137,959	29,950				
19	4.5	1.4	3.3	0.492			4,488	100	5.0	0.9	192	0.94	6,272	91	5.0	0.7	0.93	0.94	4,772	166,416	51,250				
20	4.9	1.8	3.5	0.471					1.9	0.8	168				3.2	0.4			4,772	173,004	3,000				
21	5.2	2.1	3.8	0.471					2.0	1.0	181				2.2	1.1			4,772	168,302	54,250				
22	4.8	1.5	3.4	0.507			4,972	86	1.9	0.9	184	0.84	5,736	110	2.2	1.2	0.72	0.95	4,262	152,832	0		280	95	<4
23	4.6	1.9	3.4	0.458			3,776	93	1.8	0.9	182	0.86	5,424	103	2.3	1.4	0.83	0.88	4,364	163,680	57,250		100		<4
24	4.7	1.9	3.5	0.468			4,288	107	1.9	0.9	222	0.75	5,256	116	2.2	1.2	0.64	0.85	3,803	173,004	47,250		190		<4
25	4.7	2.0	3.5	0.501			4,172	117	1.9	0.8	287	0.75	4,408	123	2.7	1.6	0.76	0.74	3,828	164,760	48,750				
26	4.7	1.9	3.4	0.461			4,524	80	2.1	1.0	286	0.71	4,732	80	2.9	2.0	0.75	0.66	2,399	166,416	48,950				
27	5.1	1.8	3.5	0.475					3.8	0.9	247				5.0	1.7			2,399	180,480	9,000				
28	5.2	1.7	3.4	0.485					3.0	1.8	270				1.7	1.0			2,399	71,877	2,000				
29	5.7	1.8	3.4	0.514			4,344	92	4.0	0.8	248	0.85	4,620	87	5.0	2.0	1.06	0.64	2,892	91,423	33,500		210	75	<4
30	6.2	0.6	4.1	0.502			3,420	94	2.0	0.8	183	0.69	4,228	88	5.0	2.1	0.71	0.67	2,348	144,168	44,250		130		<4
Total	146.1	47.4	103.04																128,764	4,305,014	982,800				
Ave.	4.9	1.6	3.43	0.471			4,992	108	2.6	0.9	262	0.81	5,381	102	3.3	1.4	0.83	0.80	4,292	143,500	32,760		173	96	4

No changes this page

	Suspended Solids			Settleable Solids	Turbidity	Chlorine Dose		Chlorine Residual		Chlorine Residual Average	Fecal Coliform	E. Coli	Ammonia			Nitrite			Nitrate			TKN		
	Inf.	Prim Eff.	Final Eff.	Eff.	Eff.			high	low				Inf.	Prim Eff.	Final Eff.	Inf.	Prim Eff.	Final Eff.	Inf.	Prim. Eff.	Final Eff.	Inf.	Prim Eff.	Final Eff.
Units	mg/l			ml/l	NTU	lbs	mg/l	mg/l		mg/l	#/100ml	#/100ml	mg/l			mg/l			mg/l			mg/l		
Freq.	3/week			Wk Day	Wk Day	4/Work Day		4/work day		4/wk day	3/week	See table A of permit	3/week	Mthly	3/wk	Monthly			Monthly			Monthly		
1	260	89	<5			85.78	2.96	0.030	0.000	0.008			27.20	17.2	0.20	<0.010	<0.010	<0.010	<0.05	<0.05	3.120	42.70	28.50	1.650
2	330	98	<5	0.0	1.7	89.37	2.93	0.040	0.000	0.023	10	<10	25.00	23.4	0.09	0.020		<0.010	<0.01		2.020	42.10		1.550
3	330		<5	0.0	2.2	86.80	3.21	0.040	0.010	0.027	<10	10	26.60		0.20	0.010		<0.010	<0.01		2.800	49.60		1.580
4				0.0	1.7	93.97	3.02	0.050	0.000	0.023	20	10												
5				0.0	2.1	94.12	3.29	0.040	0.020	0.033														
6						86.78	3.19	0.030	0.000	0.010														
7						84.73	2.98	0.050	0.000	0.022														
8	310	120	<5	0.0	1.1	83.43	2.83	0.030	0.000	0.010			28.60		0.18	0.020		<0.010	<0.01		3.220	49.60		1.660
9	79		<5	0.0	1.5	83.07	3.12	0.030	0.000	0.013	20	20	28.00		0.32	0.010		<0.010	<0.01		3.860	39.70		1.770
10	110		<5	0.0	1.8	90.23	3.26	0.040	0.000	0.013	20	20	26.20		0.27	0.020		<0.010	<0.01		3.800	39.50		1.800
11				0.0	2.0	95.06	3.33	0.030	0.000	0.013	30	20												
12				0.0	2.0	86.70	3.10	0.040	0.000	0.013														
13						85.91	2.99	0.040	0.000	0.020														
14						86.55	3.13	0.040	0.000	0.010														
15	230	100	<5	0.0	2.4	88.60	3.19	0.030	0.010	0.020			31.40		0.20	0.020		<0.010	<0.01		3.160	45.20		1.550
16	260		<5	0.0	2.3	86.41	3.26	0.020	0.000	0.008	<10		27.20		0.19	0.020		<0.010	<0.01		2.780	47.60		1.730
17	270		<5	0.0	4.0	88.94	3.28	0.030	0.000	0.010	60		27.20		0.17	0.020		<0.010	<0.01		2.330	46.90		1.420
18				0.0	2.7	92.25	3.22	0.020	0.000	0.007	10													
19				0.0	2.2	83.78	3.06	0.040	0.000	0.028														
20						85.74	2.96	0.020	0.000	0.010														
21						87.83	2.81	0.030	0.000	0.017														
22	200	100	<5	0.0	1.9	93.62	3.28	0.030	0.000	0.010			32.40		0.13	0.170		<0.010	1.08		3.020	44.70		1.730
23	76		<5	0.0	1.3	85.80	3.04	0.040	0.000	0.025	<10		27.40		0.09	0.010		<0.010	<0.01		3.800	38.20		1.890
24	250		<5	0.0	2.3	82.78	2.83	0.030	0.000	0.013	10		27.40		0.13	0.020		<0.010	<0.01		3.800	44.10		1.340
25				0.0	1.4	81.55	2.76	0.020	0.000	0.008														
26				0.0	3.0	83.13	2.91	0.040	0.000	0.008	<10													
27						84.77	2.95	0.040	0.000	0.017														
28						80.36	2.85	0.030	0.000	0.008														
29	370	310	<5	0.0	1.9	83.61	2.96	0.050	0.000	0.025			30.40		0.28	0.020		<0.010	<0.01		3.700	51.80		1.750
30	330		<5	0.0	2.0	86.75	2.56	0.030	0.000	0.018	10		30.30		0.15	<0.010		<0.010	<0.01		4.180	44.50		1.670
Total																								
Ave.	243	136	5	0.0	2.1	86.95	3.04	0.034	0.001	0.016	15	14	28.24	20.3	0.19	0.027	0.010	0.010	0.09	0.05	3.256	44.73	28.50	1.649

No changes this page

	Total N			Total N	Low D.O.	pH		Total P			Total P	Ortho P			Temp.		Arsenic		Copper	Nickel		Selenium	
	Inf.	Prim. Eff.	Final Eff.	Eff.	Eff.	Inf.	Eff.	Inf.	Prim. Eff.	Final Eff.	Eff.	Inf.	Prim. Eff.	Final Eff.	Inf.	Eff.	Inf.	Eff.	Eff.	Inf.	Eff.	Inf.	Eff.
Units	mg/l			lb/d	mg/l	S.U.		mg/l			lb/d	mg/l			F		mg/l		mg/l	kg/day		kg/day	
Freq.	Monthly			Mthly	4/wk day	Work Day		Nov-March (Monthly) (April-October) 2/week			Apr - Oct	Nov-March (Monthly) (April - October) 2/week			Work day		Weekly		Mthly	Weekly		Weekly	
1	42.8	28.6	4.8	140				5.55		9.95	288	2.38		9.33			<0.0040	0.007	0.013	0.33	0.42	0.13	0.04
2	42.1		3.6	111	6.2	7.3	6.6			9.57	292			8.55	71	86							
3	49.6		4.4	117	6.2	7.4	6.7								71	85							
4					6.7	7.4	6.8								73	81							
5					6.2	7.5	6.8								73	88							
6															73								
7															73								
8	49.6		4.9	143	6.3	7.3	6.7			11.40	336			11.40	72	87	<0.0040	0.007		0.66	0.39	0.13	0.04
9	39.7		5.6	149	6.1	7.2	6.6			11.40	303			11.10	73	85							
10	39.5		5.6	154	6.1	6.9	6.5								70	86							
11					6.0	7.3	6.6								71	84							
12					5.8	7.3	6.5								71	86							
13																							
14																							
15	45.2		4.7	129	6.5	7.3	6.8			11.30	314			9.68	71	87	<0.0040	<0.004		0.50	0.30	0.13	0.04
16	47.6		4.5	120	6.2	7.2	6.6			10.90	289			10.70	73	80							
17	46.9		3.8	101	6.4	7.3	6.7								72	84							
18					6.6	7.2	6.7								72	85							
19					6.3	7.1	6.7								70	85							
20																							
21																							
22	46.0		4.8	136	5.7	7.4	6.6			10.30	294			9.95	71	86	0.0110	0.010		0.90	0.24	0.64	0.06
23	38.2		5.7	162	6.5	7.3	6.6			10.20	288			9.70	71	82							
24	44.1		5.2	152	6.6	7.3	6.6								71	83							
25					7.4	7.3	6.8								71	82							
26					7.0	7.3	6.6								72	85							
27																							
28																							
29	51.8		5.5	156	5.8	7.3	6.5			11.50	325			10.50	70	85	<0.0040	0.006		1.40	0.28	0.13	0.05
30	44.5		5.9	202	6.7	7.2	6.6								69	82							
Total																							
Ave.	44.8	28.6	4.9	141	6.3	7.3	6.6	5.55		10.72	303	2.38		10.10	71.4	84.6	0.0054	0.0068	0.013	0.76	0.33	0.23	0.05

Inf. metals added - no other changes

	Zinc		Alkalinity	
			Pri. Eff.	
	Inf.	Eff.		Eff.
Units	kg/day		mg/l	
Freq.	Weekly		Monthly	
1	11.15	0.989		
2			100	60
3			150	30
4			100	60
5			130	40
6				
7				
8	13.14	0.953	150	40
9			130	40
10			130	30
11			140	30
12			130	30
13				
14				
15	11.08	0.912	140	30
16			120	40
17			130	40
18			130	30
19			120	30
20				
21				
22	16.39	0.898	100	30
23			90	40
24			110	50
25			80	80
26			140	50
27				
28				
29	23.01	1.003	150	30
30			120	40
Total				
Ave.	14.95	0.951	123	40

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: 7-6-15

Revised

Inf. Zn added.

no other changes.

Naugatuck WPCF | **Facility ID: 088-001** | Date received: (stamped) | Revised- no changes this page

Sample month/year October, 2014 | **Permit #: CT0100641** | **Page1 of 4 of MOR for Naugatuck WPCF**

	Daily Flow			Primary Sludge			Aeration Tank #1				Return Sludge		Aeration Tank #2				Return Sludge		Waste Sludge	Dry Solids to Incineration	Waste Accepted		CBOD (5-Day)		
	Max.	Min.	Total	Vol.	% solids	wt.	MLSS	SVI	High D.O.	Low D.O.			MLSS	SVI	High D.O.	Low D.O.	% Flow	%Solids			Septic	Indust	Inf.	Prim eff.	Final eff.
Units	mgd			MG		lbs.			mg/l		% Flow	% Solids			mg/l				lbs	lbs	gal	gal	mg/l		
Freq	Daily			Work Day			Work Day		4/ work day				Work Day		4/Work Day		Work Day		Wk Day	Wk Day	Work Day		3/week		
1	7.8	0.9	4.5	0.502			4,656	79	1.9	0.5	166	0.93	4,700	94			0.84	1.02	14,240	128,639	37,950		200	140	<4
2	6.6	3.2	4.7	0.405			11,876	46	4.4	0.9	159	0.72					0.88	0.56	12,127	131,520	40,250				
3	5.7	1.9	3.3	0.471			7,424	96	1.2	1.6	412	1.02					1.08	0.95	17,269	148,536	32,750				
4	6.0	1.5	3.8	0.462					2.0	0.8	265								17,269	139,541	15,250				
5	7.2	1.1	4.3	0.472					1.7	1.1	229								17,269	169,680	0				
6	5.5	2.7	4.0	0.425			7,124	94	1.7	1.1	266	1.15					1.37	0.93	13,696	147,072	50,050		250		<4
7	4.4	2.6	3.4	0.532			7,296	92	5.0	1.1	328	1.14					1.30	0.98	5,819	152,586	41,950		150		<4
8	4.4	0.1	2.8	0.552			7,336	91	1.7	1.1	393	1.10					1.26	0.93	0	166,416	51,250		190	140	<4
9	3.6	0.7	2.1	0.543			6,764	81	1.7	1.1	523	1.04					1.17	0.91	0	166,416	34,950				
10	4.3	0.7	2.7	0.549			4,380	75	5.0	1.1	391	0.53					0.66	0.39	0	166,416	47,500				
11	5.5	2.1	3.7	0.539					1.8	1.0	289				1.9	0.9			0	168,302	6,500				
12	4.8	1.7	3.3	0.555					1.9	1.0	328				1.8	1.1			0	166,416	0				
13	6.3	1.7	3.7	0.523			3,132	67	5.0	0.5	312	0.59	3,620	64	5.0	1.0	0.71	0.46	498	72,061	32,020		190		<4
14	4.7	0.9	3.5	0.676			3,352	60	1.7	1.1	325	0.60	3,576	62	3.3	0.0	0.62	0.58	510	116,894	35,200		190		<4
15	5.0	1.8	3.5	0.362			3,912	51	1.8	1.0	308	0.72	3,816	58	3.4	0.0	0.79	0.65	919	139,309	30,500		180	90	<4
16	6.8	3.3	4.9	0.542			2,956	78	1.7	1.1	218	0.68	3,744	59	3.1	0.0	0.79	0.57	0	176,928	34,300				
17	5.3	2.8	4.2	0.543			3,208	69	1.8	1.0	256	0.66	3,920	56	2.5	0.0	0.74	0.57	0	182,244	36,500				
18	5.5	2.4	4.1	0.548					5.0	1.0	263				4.5	0.8			0	169,716	17,500				
19	5.4	1.6	3.9	0.530					5.0	1.0	296				4.5	0.8			0	178,704	3,250				
20	5.8	0.3	3.5	0.537			4,112	56	1.8	0.0	277	0.48	2,280	75	5.0	0.0	0.63	0.32	0	166,416	41,500		130		<4
21	5.3	2.3	3.9	0.525			3,032	66	1.8	0.9	286	0.48	3,688	54	2.6	1.1	0.60	0.35	0	174,024	43,250		110		<4
22	4.6	2.1	3.9	0.546			3,812	58	1.9	0.9	291	0.50	2,672	75	3.0	0.2	0.55	0.45	298	155,259	34,000		140	67	<4
23	5.2	2.5	4.3	0.539			4,540	48	2.0	0.7	243	0.49	3,104	61	2.9	0.1	0.58	0.40	500	131,520	44,500				
24	5.1	2.5	4.0	0.516			4,164	50	1.9	0.9	294	0.50	3,468	61	2.8	0.3	0.54	0.45	505	167,124	46,200				
25	6.0	2.4	4.0	0.526					2.1	0.8	239				3.8	0.7			505	171,124	10,550				
26	5.5	2.5	4.1	0.516					2.2	0.6	275				3.8	0.0			505	192,840	2,000				
27	5.3	2.3	4.0	0.524			2,724	59	5.0	0.7	291	0.57	3,708	59	5.0	0.7	0.67	0.47	582	175,752	46,500		180		<4
28	5.0	2.3	4.0	0.516			3,012	56	2.3	0.6	264	0.64	3,588	61	5.0	0.9	0.69	0.59	272	180,900	54,050		150		<4
29	5.2	2.3	4.0	0.532			2,912	62	2.2	0.6	268	0.72	3,532	62	3.4	1.0	0.94	0.49	0	180,900	51,450		180	100	<4
30	5.8	2.3	4.0	0.527			1,992	50	2.1	0.7	267	0.41	3,484	57	3.2	0.6	0.52	0.29	0	177,468	32,070				
31	5.8	2.4	3.9	0.527			2,680	63	2.0	0.7	284	0.53	3,144	64	3.2	0.9	0.82	0.24	361	166,416	50,750				
Total	169.4	59.9	117.87				2,680												103,144	4,927,137	004,490				
Ave.	5.5	1.9	3.80	0.518			4,626	67	2.6	0.9	291	0.70	3,503	64	3.5	0.5	0.82	0.59	3,327	158,940	32,403		172	107	4

Revised no changes this page

	Suspended Solids			Settleable Solids	Turbidity	Chlorine Dose		Chlorine Residual		Chlorine Residual Average	Fecal Coliform	E. Coli	Ammonia			Nitrite			Nitrate			TKN		
	Inf.	Prim Eff.	Final Eff.	Eff.	Eff.			high	low				Inf.	Prim Eff.	Final Eff.	Inf.	Prim Eff.	Final Eff.	Inf.	Prim. Eff.	Final Eff.	Inf.	Prim Eff.	Final Eff.
Units	mg/l			ml/l	NTU	lbs	mg/l	mg/l		mg/l	#/100ml	#/100ml	mg/l			mg/l			mg/l			mg/l		
Freq.	3/week			Wk Day	Wk Day	4/Work Day		4/work day		4/wk day	3/week	See table A of permit	3/week	Mthly	3/wk	Monthly			Monthly			Monthly		
1	280	140	<5	0.0	2.5	9.89	0.26						27.70	22.8	0.36	<0.010	<0.010	0.030	<0.01	<0.01	4.260	42.40	38.10	1.930
2				0.0	1.9	0.00	0.00																	
3				0.0	3.1	0.00	0.00																	
4						0.00	0.00																	
5						0.00	0.00																	
6	140		<5	0.0	1.9	0.00	0.00						27.40		0.30	<0.010		0.020	<0.01		1.460	54.20		1.570
7	79		<5	0.0	2.5	0.00	0.00						27.30		0.12	<0.010		0.020	<0.01		2.110	44.00		1.520
8	240	140	<5	0.0	1.8	0.00	0.00						26.40		0.23	<0.010		<0.010	<0.01		3.720	44.10		2.060
9				0.0	2.0	0.00	0.00																	
10				0.0	2.2	0.00	0.00																	
11						0.00	0.00																	
12						0.00	0.00																	
13	260		<5	0.0	3.2	0.00	0.00						28.00		0.15	<0.010		<0.010	<0.01		3.420	45.30		1.980
14	290		<5	0.0	3.4	0.00	0.00						26.40		0.22	0.020		<0.010	<0.01		3.620	48.80		2.330
15	270	120	<5	0.0	3.6	0.00	0.00						28.70		0.13	0.010		<0.010	<0.01		2.820	46.50		1.800
16				0.0	5.4	0.00	0.00																	
17				0.0	5.2	0.00	0.00																	
18						0.00	0.00																	
19						0.00	0.00																	
20	190		6	0.0	5.8	0.00	0.00						26.00		0.41	0.010		0.020	<0.01		3.910	41.90		2.290
21	130		8	0.0	4.7	0.00	0.00						25.60		0.29	0.010		0.010	<0.01		2.930	37.30		2.620
22	130	71	<5	0.0	5.3	0.00	0.00						24.00		0.35	0.020		0.020	<0.01		3.230	35.40		2.270
23				0.0	5.4	0.00	0.00																	
24				0.0	4.4	0.00	0.00																	
25						0.00	0.00																	
26						0.00	0.00																	
27	330		<5	0.0	5.0	0.00	0.00						22.60		0.38	0.130		0.020	<0.01		3.980	46.00		2.170
28	420		7	0.0	3.3	0.00	0.00						25.30		0.30	0.010		0.020	<0.01		3.670	41.60		2.210
29	300	120	5	0.0	6.0	0.00	0.00						25.90		0.25	0.220		0.010	0.11		3.450	40.80		2.080
30				0.0	4.3	0.00	0.00																	
31				0.0	3.0	0.00	0.00																	
Total																								
Ave.	235	118	5	0.0	3.7	0.32	0.01						26.25	22.8	0.27	0.037	0.010	0.016	0.02	0.01	3.275	43.72	38.10	2.064

Revised – metal Inf. reported

	Total N			Total N	Low D.O.	pH		Total P			Total P	Ortho P			Temp.		Arsenic		Copper	Nickel		Selenium	
	Inf.	Prim. Eff.	Final Eff.	Eff.	Eff.	Inf.	Eff.	Inf.	Prim. Eff.	Final Eff.	Eff.	Inf.	Prim. Eff.	Final Eff.	Inf.	Eff.	Inf.	Eff.	Eff.	Inf.	Eff.	Inf.	Eff.
Units	mg/l			lb/d	mg/l	S.U.		mg/l			lb/d	mg/l			F		mg/l		mg/l	kg/day		kg/day	
Freq.	Monthly			Mthly	4/wk day	Work Day		Nov-March (Monthly) (April-October) 2/week			Apr - Oct	Nov-March (Monthly) (April - October) 2/week			Work day		Weekly		Mthly	Weekly		Weekly	
1	42.4	38.1	6.2	233	7.1	7.1	6.7	5.06		12.60	471	2.46		11.10	72	81	<0.0040	0.004	0.012	0.76	0.40	0.17	0.08
2					6.7	7.3	6.7								70	82							
3					6.9	7.2	7.1								71	84							
4																							
5																							
6	54.2		3.0	100	6.9	7.2	7.1			5.40	181			5.40		82							
7	44.0		3.6	102	6.9	7.2	7.0									83							
8	44.1		5.8	135	6.7	7.1	6.9			6.83	158			6.90	71	82	<0.0040	0.007		0.32	0.34	0.10	0.07
9					7.0	7.2	6.8								71	85							
10					7.1	7.2	6.7								69	83							
11																							
12																							
13	45.3		5.4	167	7.4	7.3	6.8			13.00	399			12.50	67	82							
14	48.8		6.0	175	7.1	6.4	6.7								80	80							
15	46.5		4.6	134	7.5	7.2	6.7			13.60	395			13.00	71	81	<0.0040	0.006		0.22	0.35	0.13	0.04
16					7.0	7.3	6.7								70	83							
17					6.7	7.1	6.7								69	78							
18																							
19																							
20	41.9		6.2	181	6.8	7.4	6.6			14.20	416			14.00	69	78							
21	37.3		5.6	182	6.8	7.3	6.6								66	78							
22	35.4		5.5	179	6.8	7.3	6.6			13.40	440			13.00	67	81	<0.0040	0.009		0.58	0.28	0.15	0.04
23					6.7	7.4	6.6								67	80							
24					7.0	7.0	6.4								66	78							
25																							
26																							
27	46.1		6.2	207	6.7	7.5	6.8			11.30	372			11.30	69	78							
28	41.6		5.9	197	6.7	7.3	6.7								66	79							
29	41.1		5.5	183	7.1	7.4	6.8			11.80	396			11.50	68	78	<0.0040	0.006		2.13	0.55	0.76	0.16
30					7.0	7.5	6.8								67	81							
31					7.1	7.4	6.8								66	78							
Total																							
Ave.	43.8	38.1	5.3	167	6.9	7.2	6.8	5.06		11.35	359	2.46		10.97	69.2	80.7	0.0040	0.0064	0.012	0.80	0.38	0.26	0.08

	Zinc		Alkalinity	
	Inf.	Eff.	Pri. Eff.	Eff.
Units	kg/day		mg/l	
Freq.	Weekly		Monthly	
1	3.08	1.243	120	50
2			100	50
3			120	50
4				
5				
6			90	50
7			100	50
8	2.04	1.302	110	40
9			100	40
10			100	40
11				
12				
13			100	40
14			130	50
15	5.79	0.940	110	50
16			80	50
17			90	40
18				
19				
20			90	40
21			110	30
22	2.25	0.831	90	30
23			130	30
24			100	30
25				
26				
27			90	30
28			120	60
29	18.30	0.982	90	30
30			110	30
31			110	30
Total				
Ave.	6.29	1.060	104	41

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: 7-6-15

Revised.

Revised - Inf. Zn reported.

Denise - no changes this page

Naugatuck WPCF

Sample month/year November, 2014

Facility ID: 088-001

Permit #: CT0100641

Date received: (stamped)

	Daily Flow			Primary Sludge			Aeration Tank #1				Return Sludge		Aeration Tank #2				Return Sludge		Waste Sludge	Dry Solids to Incineration	Waste Accepted		CBOD (5-Day)		
	Max.	Min.	Total	Vol.	% solids	wt.	MLSS	SVI	High D.O.	Low D.O.			MLSS	SVI	High D.O.	Low D.O.	% Flow	%Solids			Septic	Indust	Inf.	Prim eff.	Final eff.
Units	mgd			MG		lbs.			mg/l		% Flow	% Solids			mg/l				lbs	lbs	gal	gal	mg/l		
Freq.	Daily			Work Day			Work Day		4/ work day				Work Day		4/Work Day		Work Day		Wk Day	Wk Day	Work Day		3/week		
1	5.7	2.5	4.2	0.531					2.0	0.8	260				2.7	0.4			541	189,300	13,250				
2	5.3	2.3	4.0	0.535					2.0	0.7	278				3.3	0.5			541	185,772	1,500				
3	5.1	2.2	3.9	0.528			3,384	65	2.2	0.7	291	0.59	3,456	61	5.0	1.1	0.69	0.49	602	163,464	52,250		190	120	<4
4	5.2	2.2	4.0	0.545			3,452	61	2.1	0.7	271	0.47	3,184	69	5.0	0.8	0.57	0.37	480	155,664	46,200		180		<4
5	5.0	2.0	4.0	0.547			2,836	63	2.2	0.2	270	0.62	3,428	64	3.3	0.5	0.67	0.56	628	128,892	46,500		200		<4
6	5.2	2.1	4.1	0.542			2,320	69	2.1	0.7	258	0.51	2,784	65	2.6	0.6	0.61	0.41	217	163,116	33,250				
7	5.2	2.2	4.1	0.532			2,392	71	2.2	0.8	246	0.59	1,576	70	1.9	0.9	0.65	0.53	0	179,592	42,750				
8	5.3	2.2	3.9	0.551					5.0	0.8	287				5.0	0.9			0	169,716	3,500				
9	6.2	1.8	3.8	0.484					2.1	0.8	281				2.2	0.7			0	85,406	0				
10	5.1	2.1	3.9	0.461			1,236	73	5.0	0.8	278	0.37	1,780	73	5.0	0.4	0.40	0.33	0		42,750		250	98	<4
11	5.0	1.4	3.7	0.451			1,800	72	2.4	0.5	286	0.48	3,424	53	2.1	0.8	0.56	0.40	0	97,500	34,450		210		<4
12	5.2	1.8	3.9	0.423			2,608	65	2.3	0.7	276	0.61	3,176	69	2.3	0.9	0.77	0.44	515	146,604	44,750		170		<4
13	5.0	2.1	3.9	0.428			1,264	79	5.0	0.7	296	0.49	1,588	76	5.0	1.0	0.47	0.50	0	166,416	43,300				
14	5.1	2.3	3.9	0.473			2,348	77	2.3	0.8	286	0.52	3,832	65	2.2	0.8	0.60	0.44	0	169,716	49,500				
15	5.0	1.9	3.7	0.494					2.3	0.6	270				2.3	0.8			0	180,900	18,250				
16	5.3	1.7	3.7	0.490					2.3	0.5	322				2.5	1.2			0	180,900	1,000				
17	6.4	2.1	4.7	0.522			4,088	53	2.3	0.8	249	0.51	4,892	46	2.6	0.9	0.54	0.47	516	156,528	36,250		190	100	<4
18	5.4	2.8	4.4	0.469			3,132	73	2.4	0.6	273	0.57	4,604	54	2.3	1.2	0.66	0.48	242	155,664	34,500		67		<4
19	5.2	2.5	4.2	0.500			4,000	55	2.4	0.6	251	0.43	4,016	62	3.0	1.2	0.44	0.41	0	154,116	27,000		150		<4
20	5.2	2.6	4.2	0.526			3,688	57	2.5	0.6	252	0.56	4,580	53	2.9	1.3	0.57	0.55	0	163,642	63,000				
21	5.4	2.1	4.1	0.542			3,648	60	2.4	0.6	303	0.51	4,192	57	2.6	1.0	0.45	0.57	217	155,322	50,250				
22	5.7	5.4	4.3	0.529					2.4	0.6	233				2.7	0.7			347	185,772	23,750				
23	5.6	2.6	4.2	0.534					2.3	0.6	268				2.2	0.8			347	187,236	1,500		220	220	<4
24	7.7	2.8	5.3	0.525			3,244	71	2.3	0.6	222	0.75	4,912	65	2.0	0.9	0.79	0.70	507	168,840	46,000		160		<3
25	6.3	3.4	4.9	0.535			3,800	74	2.4	0.5	226	0.77	5,408	65	2.0	1.0	0.75	0.79	524	179,184	54,750		110		<4
26	7.0	2.8	5.2	0.228			4,836	52	2.6	0.5	217	0.80	5,656	58	2.1	0.9	0.84	0.75	1,353	166,145	15,000				
27	7.9	4.0	5.8	0.676					2.3	0.7	194				2.0	0.8			1,353	175,989	0				
28	6.0	3.7	5.0	0.374					2.5	0.5	216				2.0	0.9			1,353	169,716	14,750				
29	6.4	3.3	4.9	0.530					2.4	0.5	228				2.1	0.8			1,353	166,584	0				
30	6.4	2.6	5.1	0.526					2.7	0.5	222				2.3	0.8			1,353	163,464	1,000				
Total	170.5	75.5	128.68																12,986	4,711,160	840,950				
Ave.	5.7	2.5	4.29	0.501			3,004	66	2.6	0.6	260	0.56	3,694	63	2.8	0.9	0.61	0.51	433	162,454	28,032		175	135	4

no changes this page

Page 2 of 4 of MOR for Naugatuck WPCF

	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						0.00	0.00																	
2						0.00	0.00																	
3	430	160	<5	0.0	2.2	0.00	0.00						24.00	26.4	0.19	0.010	<0.010	<0.010	<0.01	<0.01	2.470	40.70	39.10	1.250
4	320		<5	0.0	2.4	0.00	0.00						22.20		0.14	0.020		<0.010	<0.01		3.140	38.60		1.540
5	570		<5	0.0	2.3	0.00	0.00						25.30		0.09	0.020		<0.010	<0.01		3.240	38.60		1.740
6				0.0	2.5	0.00	0.00																	
7				0.0	3.1	0.00	0.00																	
8						0.00	0.00																	
9						0.00	0.00																	
10	410	79	<5	0.0	3.0	0.00	0.00						25.40		0.12	0.030		<0.010	<0.01		2.380	46.20		1.350
11	510		<5	0.0	2.7	0.00	0.00						29.20		0.34	0.030		0.020	<0.01		2.950	48.80		1.430
12	260		<5	0.0	5.3	0.00	0.00						24.80		0.31	0.020		0.010	<0.01		3.330	40.10		1.870
13				0.0	1.7	0.00	0.00																	
14				0.0	1.8	0.00	0.00																	
15						0.00	0.00																	
16						0.00	0.00																	
17	310	110	<5	0.0	1.5	0.00	0.00						22.40		0.14	0.010		<0.010	<0.01		3.520	38.80		1.710
18	63		<5	0.0	2.5	0.00	0.00						20.40		0.28	0.260		<0.010	0.30		3.500	29.00		1.400
19	180		<5	0.0	1.9	0.00	0.00						23.20		0.12	0.070		<0.010	<0.01		3.160	33.60		1.140
20				0.0	3.1	0.00	0.00																	
21				0.0	2.4	0.00	0.00																	
22						0.00	0.00																	
23	240	140	<5			0.00	0.00						24.20		0.32	0.010		0.010	<0.01		3.680	48.60		1.700
24	370		<5	0.0	2.2	0.00	0.00						19.30		0.06	<0.010		<0.010	<0.01		3.200	31.90		1.400
25	220		<5	0.0	2.1	0.00	0.00						20.90		0.13	0.230		<0.010	0.51		2.390	35.10		1.190
26				0.0	2.2	0.00	0.00																	
27						0.00	0.00																	
28						0.00	0.00																	
29						0.00	0.00																	
30						0.00	0.00																	
Total																								
Ave.	324	122	5	0.0	2.5	0.00	0.00						23.44	26.4	0.19	0.060	0.010	0.011	0.08	0.01	3.080	39.17	39.10	1.477

Revised — Tot. metals reported.

	Total N			Total N	Low D.O.	pH		Total P			Total P	Ortho P			Temp.		Arsenic		Copper	Nickel		Selenium	
	Inf.	Prim. Eff.	Final Eff.	Eff.	Eff.	Inf.	Eff.	Inf.	Prim. Eff.	Final Eff.	Eff.	Inf.	Prim. Eff.	Final Eff.	Inf.	Eff.	Inf.	Eff.	Eff.	Inf.	Eff.	Inf.	Eff.
Units	mg/l			lb/d	mg/l	S.U.		mg/l			lb/d	mg/l			F		mg/l		mg/l	kg/day		kg/day	
Freq.	Monthly			Mthly	4/wk day	Work Day		Nov-March (Monthly) (April-October) 2/week			Apr - Oct	Nov-March (Monthly) (April - October) 2/week			Work day		Weekly		Mthly	Weekly		Weekly	
1																							
2																							
3	40.7	39.1	3.7	120	7.8	7.0	6.5	5.09		12.00	388	1.87		11.30	66	74	<0.0040	<0.004	0.009	0.85	0.39	0.73	0.14
4	38.6		4.7	157	7.7	7.1	6.3			11.70	389			11.70	66	77							
5	38.6		5.0	167	7.7	7.3	6.7								69	76							
6					7.5	7.4	6.7								69	78							
7					7.1	7.3	6.6								69	80							
8																							
9																							
10	46.2		3.7	117	7.6	7.3	6.6			10.40	334			10.00	66	75	<0.0040	<0.004		0.23	0.30	0.14	0.03
11	48.8		4.4	136	7.9	7.1	6.7			9.96	309			9.29	65	73							
12	40.1		5.2	169	7.7	6.8	6.8								67	73							
13					7.5	7.5	6.8								64	74							
14					7.5	7.4	6.7								64	74							
15																							
16																							
17	38.8		5.2	204	7.2	7.4	6.6			10.10	393			9.52	64	75	<0.0040	0.006		0.26	0.41	0.88	0.17
18	29.6		4.9	180	7.4	7.5	6.7			9.81	359			9.41	65	75							
19	33.7		4.3	151	7.4	7.3	6.7								64	73							
20					7.8	7.5	6.8								64	72							
21					7.9	7.4	6.8								63	72							
22																							
23	48.6		5.4	189						10.10	357			10.10			<0.0040	0.004		0.17	0.49	0.16	0.05
24	31.9		4.6	203	7.0	7.2	6.6			10.30	456			10.00	65	73							
25	35.8		3.6	147	7.4	7.3	6.7								65	75							
26					8.5	7.3	6.8								63	75							
27																							
28																							
29																							
30																							
Total																							
Ave.	39.3	39.1	4.6	162	7.6	7.3	6.7	5.09		10.55	373	1.87		10.17	65.5	74.7	0.0040	0.0045	0.009	0.38	0.40	0.48	0.10

	Zinc		Alkalinity	
	Inf.	Eff.	Pri. Eff.	Eff.
Units	kg/day		mg/l	
Freq.	Weekly		Monthly	
1				
2				
3	5.73	1.134	130	40
4			120	40
5			110	60
6			110	40
7			100	60
8				
9				
10	8.23	1.496	180	30
11			180	50
12			130	50
13			130	40
14			110	50
15				
16				
17	5.81	1.417	110	50
18			100	30
19			80	50
20			120	30
21			90	40
22				
23	2.98	1.130		
24			100	50
25			70	50
26			70	40
27				
28				
29				
30				
Total				
Ave.	5.69	1.294	113	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: 7-6-15

Revised int. Zn. reported.

Naugatuck WPCF

Sample month/year December, 2014

Facility ID: 088-001

Permit #: CT0100641

Date received: (stamped)

Revised - no changes this page

	Daily Flow			Primary Sludge			Aeration Tank #1				Return Sludge		Aeration Tank #2				Return Sludge		Waste Sludge	Dry Solids to Incineration	Waste Accepted		CBOD (5-Day)		
	Max.	Min.	Total	Vol.	% solids	wt.	MLSS	SVI	High D.O.	Low D.O.			MLSS	SVI	High D.O.	Low D.O.	% Flow	%Solids			Septic	Indust	Inf.	Prim eff.	Final eff.
Units	mgd			MG		lbs.			mg/l		% Flow	% Solids			mg/l				lbs	lbs	gal	gal	mg/l		
Freq	Daily			Work Day			Work Day		4/ work day				Work Day		4/Work Day		Work Day		Wk Day	Wk Day	Work Day		3/week		
1	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	0.83	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	1.13	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	1.43	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	0.83	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	0.80	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	1.12	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	1.09	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	1.33	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	1.23	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	0.96	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	0.78	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	0.81	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	0.82	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	0.91	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	0.67	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		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		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		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	193.57				5,420												117,517	4,767,661	804,300				
Ave.	7.8	4.3	6.24	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

Revised - no changes this page

	Suspended Solids			Settleable Solids	Turbidity	Chlorine Dose		Chlorine Residual		Chlorine Residual Average	Fecal Coliform	E. Coli	Ammonia			Nitrite			Nitrate			TKN		
	Inf.	Prim Eff.	Final Eff.	Eff.	Eff.			high	low				Inf.	Prim Eff.	Final Eff.	Inf.	Prim Eff.	Final Eff.	Inf.	Prim. Eff.	Final Eff.	Inf.	Prim Eff.	Final Eff.
Units	mg/l			ml/l	NTU	lbs	mg/l	mg/l		mg/l	#/100ml	#/100ml	mg/l			mg/l			mg/l			mg/l		
Freq.	3/week			Wk Day	Wk Day	4/Work Day		4/work day		4/wk day	3/week	See table A of permit	3/week	Mthly	3/wk	Monthly			Monthly			Monthly		
1	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

Revised - inf. metals reported.

	Total N			Total N	Low D.O.	pH		Total P			Total P	Ortho P			Temp.		Arsenic		Copper	Nickel		Selenium	
	Inf.	Prim. Eff.	Final Eff.	Eff.	Eff.	Inf.	Eff.	Inf.	Prim. Eff.	Final Eff.	Eff.	Inf.	Prim. Eff.	Final Eff.	Inf.	Eff.	Inf.	Eff.	Eff.	Inf.	Eff.	Inf.	Eff.
Units	mg/l			lb/d	mg/l	S.U.		mg/l			lb/d	mg/l			F		mg/l		mg/l	kg/day		kg/day	
Freq.	Monthly			Mthly	4/wk day	Work Day		Nov-March (Monthly) (April-October) 2/week			Apr - Oct	Nov-March (Monthly) (April - October) 2/week			Work day		Weekly		Mthly	Weekly		Weekly	
1	31.1	21.4	4.4	176	7.5	7.4	6.7	3.91		6.32	254	1.03		6.26	62	73	<0.0040	<0.004	0.015	0.12	0.32	0.09	0.04
2	32.1		5.4	243	7.9	7.4	6.7			6.81	308			7.08	61	69							
3	27.8		5.1	208	7.6	7.2	6.6								61	69							
4					7.6	7.4	6.7								59	70							
5					7.8	7.4	6.7								60	71							
6															60								
7															60								
8	23.6		3.3	162	7.5	7.3	6.8			7.50	367			7.50	59	67	<0.0040	<0.004		0.28	0.33	0.11	0.07
9	19.2		3.6	297	7.5	7.3	6.8			7.16	591			7.10	59	69							
10	15.1		6.0	525	6.8	7.1	6.8								58	64							
11					7.0	7.2	6.7								58	64							
12					7.8	7.2	6.7								58	64							
13																							
14																							
15	25.0		4.4	235	7.6	7.2	6.6			4.82	257			4.70	60	68	<0.0040	<0.004		0.50	0.28	0.12	0.07
16	22.3		4.4	228	7.7	7.2	6.5			4.53	236			4.48	60	67							
17	23.6		5.6	299	7.8	7.2	6.8								60	69							
18					7.2	7.2	6.8								59	69							
19					7.5	7.2	6.6								60	69							
20																							
21	26.6		4.8	224						5.63	261			5.60			<0.0040	0.006		0.12	0.29	1.05	0.23
22	26.8		4.5	218	7.4	7.3	6.6			5.70	275			5.70	58	69							
23	25.6		6.0	280	7.7	7.2	6.6								59	67							
24					7.3	7.2	6.6								59	68							
25																							
26					7.4	7.3	6.6								59	69							
27																							
28	26.4		6.0	290						6.73	324			6.65			<0.0040	<0.004		0.09	0.24	1.09	0.21
29	38.0		4.4	209	7.8	7.2	6.6			6.35	301			6.30	58	67							
30	32.2		4.6	215	8.1	7.2	6.6								57	64							
31					8.0	7.2	6.7								59	66							
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	0.0040	0.0044	0.015	0.22	0.29	0.49	0.12

	Zinc		Alkalinity	
			Pri. Eff.	
	Inf.	Eff.		Eff.
Units	kg/day		mg/l	
Freq.	Weekly		Monthly	
1	3.20	1.086	80	40
2			130	50
3			80	50
4			100	40
5			100	50
6				
7				
8	9.37	1.626	70	40
9			70	50
10			60	60
11			70	40
12			70	40
13				
14				
15	7.21	2.483	90	60
16			100	50
17			100	50
18			80	50
19			100	40
20				
21	3.52	2.078		
22			70	30
23			110	40
24			90	40
25				
26			80	40
27				
28	2.16	1.818		
29			60	30
30			90	40
31			90	30
Total				
Ave.	5.09	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: 7-6-15

Revised

Naugatuck WPCF

Sample month/year January, 2015

Facility ID: 088-001

Permit #: CT0100641

Date received: (stamped) Revised - no changes this page

	Daily Flow			Primary Sludge			Aeration Tank #1				Return Sludge		Aeration Tank #2				Return Sludge		Waste Sludge	Dry Solids to Incineration	Waste Accepted		CBOD (5-Day)		
	Max.	Min.	Total	Vol.	% solids	wt.	MLSS	SVI	High D.O.	Low D.O.			MLSS	SVI	High D.O.	Low D.O.	% Flow	%Solids			Septic	Indust	Inf.	Prim eff.	Final eff.
Units	mgd			MG		lbs.			mg/l		% Flow	% Solids			mg/l				lbs	lbs	gal	gal	mg/l		
Freq	Daily			Work Day			Work Day		4/ work day				Work Day		4/Work Day		Work Day		Wk Day	Wk Day	Work Day		3/week		
1	6.5	3.7	5.2	0.501					2.6	0.6	188				2.4	1.1			1,548	135,420	0				
2	6.2	3.5	5.2	0.501			4,124	70	2.9	0.5	197	0.89	5,932	67	2.4	0.9	0.82	0.95	1,506	139,800	18,750				
3	6.6	3.5	5.2	0.506					2.8	0.7	176				2.3	1.0			1,506	174,648	2,500				
4	7.8	3.6	5.8	0.516					2.8	0.7	150				2.5	0.9			1,506	118,919	0				
5	6.8	4.0	5.6	0.516			4,620	76	2.9	0.7	184	0.80	5,160	72	2.6	1.1	0.77	0.83	1,361	68,205	30,000		120	110	<4
6	6.7	3.4	5.5	0.507			3,584	67	2.8	0.7	167	0.82	5,668	74	2.4	0.8	0.83	0.80	1,387	136,872	27,750		100		<4
7	7.3	4.0	5.5	0.513			4,308	67	2.7	0.7	166	0.89	5,220	77	2.6	0.9	0.91	0.86	1,506	141,660	34,500		110		<4
8	6.5	3.6	5.3	0.529			3,476	72	2.7	0.7	173	1.01	5,044	71	2.4	1.0	1.02	0.99	1,282	151,008	7,750				
9	6.1	3.8	5.3	0.533			3,652	66	3.0	0.7	178	1.00	7,420	66	2.5	1.1	1.00	0.99	846	136,932	6,750				
10	6.3	3.4	5.0	0.519					5.0	0.6	186				5.0	1.1			846	138,336	8,200				
11	6.8	3.3	5.1	0.506					2.7	0.8	182				2.5	1.0			846	154,116	0				
12	7.3	3.4	5.6	0.511			4,744	63	2.6	0.7	171	0.91	6,668	75	2.4	1.0	0.97	0.84	770	131,520	5,500		120	110	<4
13	6.3	3.5	5.2	0.508			4,160	65	2.7	0.6	212	0.99	6,740	67	2.5	1.0	1.01	0.96	838	125,264	27,250		100		<4
14	6.3	3.5	5.2	0.508			3,904	105	2.7	0.7	193	0.82	7,624	60	2.3	1.0	0.87	0.76	693	138,336	24,000		110		<4
15	6.2	3.6	5.1	0.502			5,828	74	2.7	0.5	238	0.87	6,580	81	2.4	0.9	0.93	0.80	736	138,336	40,250				
16	6.0	3.6	5.0	0.503			5,948	71	2.5	0.5	192	0.80	4,636	97	2.2	0.9	0.87	0.73	681	141,264	10,250				
17	6.2	3.1	4.8	0.506					5.0	0.7	230				5.0	0.5			681	151,008	1,250				
18	15.3	3.2	6.9	0.508					2.3	0.2	171				2.2	0.4			8,167	149,448	0				
19	8.0	1.0	6.4	0.448			5,748	61	4.3	0.2	154	0.87	6,668	70	3.5	0.0	0.94	0.79	6,255	141,264	23,500		130	83	<4
20	7.5	4.3	6.3	0.505			4,204	61	2.9	0.4	170	0.96	6,324	74	2.5	0.8	0.96	0.95	812	142,728	22,000		88		<4
21	6.6	4.0	5.6	0.505			3,560	45	2.7	0.5	199	0.95	7,416	59	2.3	1.0	1.01	0.88	804	152,904	27,000		89		<4
22	6.5	4.0	5.5	0.493			5,008	56	2.8	0.4	198	0.89	6,988	59	2.5	0.4	1.01	0.76	753	160,344	17,500				
23	6.3	3.7	5.3	0.485			7,028	55	2.7	0.5	212	1.01	8,012	59	2.7	0.9	1.05	0.97	1,718	154,116	19,250				
24	7.4	4.1	5.7	0.476					2.8	0.3	190				2.8	0.7			2,578	169,716	0				
25	7.1	3.6	5.4	0.485					2.8	0.4	207				2.4	0.5			2,578	145,608	0		120	130	<4
26	6.0	0.5	4.6	0.482			6,236	74	3.0	0.0	250	0.89	6,416	90	3.0	0.0	0.98	0.79	2,259	123,048	10,500				
27	6.2	3.7	5.0	0.561			4,628	80	2.9	0.5	222	0.87	5,760	87	2.4	0.8	1.00	0.74	1,850	124,296	0				
28	6.2	3.5	5.1	0.570			3,556	70	2.7	0.5	207	0.88	4,956	71	2.2	1.0	0.96	0.79	1,117	134,232	3,250		120		<4
29	6.2	3.4	5.0	0.513			5,288	83	5.0	0.5	212	0.90	6,016	98	5.0	1.2	0.97	0.82	1,142	139,800	18,250		82		<4
30	6.1	3.6	5.0	0.154			4,544	75	2.6	0.5	213	0.84	5,880	82	2.3	1.0	0.83	0.84	1,065	126,649	4,450				
31	6.2	3.2	5.0	0.548					2.6	0.5	228				2.6	1.4			1,065	126,084	2,000				
Total	213.5	106.3	166.49																50,701	4,311,881	392,400				
Ave.	6.9	3.4	5.37	0.497			4,674	69	3.0	0.5	194	0.89	6,244	74	2.7	0.8	0.94	0.85	1,636	139,093	12,658		107	108	4

no changes this page

	Suspended Solids			Settleable Solids	Turbidity	Chlorine Dose		Chlorine Residual		Chlorine Residual Average	Fecal Coliform	E. Coli	Ammonia			Nitrite			Nitrate			TKN		
	Inf.	Prim Eff.	Final Eff.	Eff.	Eff.			high	low				Inf.	Prim Eff.	Final Eff.	Inf.	Prim Eff.	Final Eff.	Inf.	Prim. Eff.	Final Eff.	Inf.	Prim Eff.	Final Eff.
Units	mg/l			ml/l	NTU	lbs	mg/l	mg/l		mg/l	#/100ml	#/100ml	mg/l			mg/l			mg/l			mg/l		
Freq.	3/week			Wk Day	Wk Day	4/Work Day		4/work day		4/wk day	3/week	See table A of permit	3/week	Mthly	3/wk	Monthly			Monthly			Monthly		
1						0.00	0.00																	
2				0.0	2.1	0.00	0.00																	
3						0.00	0.00																	
4						0.00	0.00																	
5	160	53	<5	0.0	3.2	0.00	0.00						16.10	16.9	0.14	0.140	0.130	<0.010	0.51	1.55	3.360	28.20	24.60	1.470
6	200		<5	0.0	3.0	0.00	0.00						18.20		0.14	0.140		<0.010	0.52		3.880	26.40		1.580
7	230		<5	0.0	5.2	0.00	0.00						19.40		0.17	0.280		<0.010	0.07		3.600	30.00		1.740
8				0.0	2.6	0.00	0.00																	
9				0.0	1.9	0.00	0.00																	
10						0.00	0.00																	
11						0.00	0.00																	
12	200	75	<5	0.0	2.3	0.00	0.00						19.00		0.12	0.090		0.010	0.35		3.600	29.40		1.510
13	230		<5	0.0	2.3	0.00	0.00						18.50		0.16	0.100		0.010	0.40		3.510	28.90		2.040
14	150		<5	0.0	3.4	0.00	0.00						19.00		0.10	0.070		<0.010	0.01		3.350	28.40		1.620
15				0.0	2.8	0.00	0.00																	
16				0.0	2.8	0.00	0.00																	
17						0.00	0.00																	
18						0.00	0.00																	
19	540	110	8	0.0	3.5	0.00	0.00						14.80		1.47	0.160		0.030	0.03		3.180	26.00		3.350
20	190		8	0.0	6.4	0.00	0.00						16.60		0.15	0.110		<0.010	0.38		3.040	27.20		1.990
21	240		6	0.0	4.1	0.00	0.00						13.80		0.13	0.150		<0.010	0.46		2.500	17.30		1.810
22				0.0	3.3	0.00	0.00																	
23				0.0	4.2	0.00	0.00																	
24						0.00	0.00																	
25	240	110	5			0.00	0.00						18.40		0.15	0.210		<0.010	0.93		3.900	41.20		1.760
26				0.0	2.4	0.00	0.00																	
27				0.0	2.1	0.00	0.00																	
28	250		<5	0.0	3.8	0.00	0.00						19.30		0.10	0.040		0.020	<0.01		3.290	32.70		1.730
29	170		6	0.0	2.3	0.00	0.00						16.90		0.13	0.220		0.020	0.68		3.070	26.90		1.490
30				0.0	2.0	0.00	0.00																	
31						0.00	0.00																	
Total																								
Ave.	233	87	6	0.0	3.1	0.00	0.00						17.50	16.9	0.25	0.143	0.130	0.013	0.36	1.55	3.357	28.55	24.60	1.841

	Total N			Total N	Low D.O.	pH		Total P			Total P	Ortho P			Temp.		Arsenic		Copper	Nickel		Selenium	
	Inf.	Prim. Eff.	Final Eff.	Eff.	Eff.	Inf.	Eff.	Inf.	Prim. Eff.	Final Eff.	Eff.	Inf.	Prim. Eff.	Final Eff.	Inf.	Eff.	Inf.	Eff.	Eff.	Inf.	Eff.	Inf.	Eff.
Units	mg/l			lb/d	mg/l	S.U.		mg/l			lb/d	mg/l			F		mg/l		mg/l	kg/day		kg/day	
Freq.	Monthly			Mthly	4/wk day	Work Day		Nov-March (Monthly) (April-October) 2/week			Apr - Oct	Nov-March (Monthly) (April - October) 2/week			Work day		Weekly		Mthly	Weekly		Weekly	
1																							
2					8.0	7.4	6.7								58	66							
3																							
4																							
5	28.9	26.3	4.8	224	8.1	7.3	6.7	3.51		6.73	317	1.38		6.05	57	65	<0.0040	<0.004	0.013	1.36	0.27	0.11	0.04
6	27.1		5.5	248	8.5	7.3	6.6			7.67	349			7.10	57	62							
7	30.4		5.4	248	8.2	7.3	6.6								57	63							
8					8.4	7.3	6.7								56	63							
9					8.4	7.4	6.6								55	62							
10																							
11																							
12	29.8		5.1	238	8.1	7.4	6.6			7.53	350			7.30	54	65	<0.0040	<0.004		0.97	0.50	1.05	0.21
13	29.4		5.6	243	7.6	7.4	6.6			7.58	329			7.45	57	65							
14	28.5		5.0	217	7.7	7.4	6.6								55	64							
15					8.2	7.4	6.6								55	64							
16					8.0	7.5	6.6								57	65							
17																							
18																							
19	26.2		6.6	352	7.3	7.4	6.8			6.51	348			6.40	55	63	<0.0040	<0.004		0.28	0.33	0.12	0.02
20	27.7		5.0	263	7.5	7.4	6.7			5.51	290			5.45	56	63							
21	17.9		4.3	201	7.6	7.4	6.6								57	64							
22					7.7	7.4	6.7								57	64							
23					7.7	7.5	6.7								57	64							
24																							
25	42.3		5.7	257						6.14	276			5.90			<0.0040	0.004		0.08	0.30	0.10	0.04
26					7.9	7.6	6.8								55	67							
27					8.4	7.4	6.8								55	61							
28	32.8		5.0	213	8.1	7.5	6.6			6.62	279			6.40	56	61							
29	27.8		4.6	192	8.2	7.4	6.6								56	61							
30					8.3	7.4	6.6								57	64							
31																							
Total																							
Ave.	29.1	26.3	5.2	241	8.0	7.4	6.7	3.51		6.79	317	1.38		6.51	56.1	63.6	0.0040	0.0040	0.013	0.67	0.35	0.34	0.08

Revised — Inf. metals reported.

	Zinc		Alkalinity	
	Inf.	Eff.	Pri. Eff.	Eff.
Units	kg/day		mg/l	
Freq.	Weekly		Monthly	
1				
2			80	40
3				
4				
5	11.77	1.836	90	40
6			90	30
7			120	40
8			100	40
9			110	40
10				
11				
12	6.44	2.189	80	30
13			90	40
14			120	40
15			100	40
16			110	30
17				
18				
19	5.74	2.206	80	40
20			80	40
21			100	30
22			100	40
23			100	40
24				
25	3.01	1.895		
26			100	40
27			110	60
28			100	50
29			120	50
30			90	40
31				
Total				
Ave.	6.74	2.031	99	40

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: [signature]

Date: 7-6-15

Revised

Revised Tot. Zn reported.

Naugatuck WPCF

Sample month/year February, 2015

Facility ID: 088-001

Permit #: CT0100641

Date received: (stamped)

Revised no changes this pg

	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	6.3	3.1	5.0	0.576					2.9	0.5	223				2.3	0.7			4,972	144,168	2,850				
2	8.4	3.2	5.1	0.567			6,192	73	2.7	0.7	177	0.90	6,468	93	2.1	0.9	0.94	0.85	4,568	131,520	0		180	76	<4
3	6.7	0.3	4.5	0.498			5,060	63	2.4	0.7	216	0.97	7,668	86	2.4	1.3	0.87	1.07	6,601	119,256	11,000		150		<4
4	6.0	3.5	5.0	0.594			5,560	79	2.4	0.7	216	0.85	5,976	94	2.6	1.2	0.75	0.95	723	105,000	16,250		120		<4
5	5.8	3.5	5.0	0.584			7,012	74	2.7	0.5	181	0.86	6,628	88	2.1	1.1	0.84	0.88	1,463	116,748	5,500				
6	5.4	2.8	4.6	0.583			5,424	90	2.8	0.7	281	0.79	6,100	77	2.9	1.5	0.83	0.74	1,336	114,360	7,000				
7	6.0	3.0	4.8	0.595					5.0	0.8	195				5.0	0.0			1,336	121,272	1,250				
8	6.4	3.1	4.8	0.612					2.3	0.8	230				3.0	1.1			1,336	121,272	0				
9	5.8	3.3	4.7	0.606			2,976	50	2.3	0.9	231	0.68	6,152	55	4.2	1.4	0.71	0.65	0	116,664	0		180	110	<4
10	5.5	3.3	4.7	0.618			4,772	66	2.4	0.8	224	0.63	4,880	45	3.5	2.0	0.60	0.65	0	111,098	6,750		140		<4
11	5.6	3.1	4.6	0.611			4,312	60	2.2	5.0	253	0.71	5,132	59	0.9	2.4	0.67	0.75	483	109,704	19,750		130		<4
12	4.9	3.3	4.9	0.599			2,088	72	2.2	0.9	212	0.68	4,348	62	4.1	1.0	0.65	0.70	459	108,333	4,500				
13	5.5	3.3	4.6	0.597			3,484	69	3.4	0.7	232	0.66	4,932	58	2.7	1.0	0.67	0.65	449	89,959	2,700				
14	6.0	3.3	4.8	0.599					2.0	0.9	222				2.3	0.9			449	126,084	0				
15	6.0	3.3	4.7	0.587					2.3	0.8	205				2.2	0.7			449	131,520	0				
16	6.0	3.1	4.7	0.580			3,900	82	5.0	0.8	255	0.63	3,896	77	5.0	0.0	0.62	0.64	429	132,516	3,000		150	170	<4
17	5.7	2.9	4.7	0.587			3,284	73	2.2	0.8	231	0.85	7,080	85	3.0	0.3	0.73	0.96	1,186	170,268	2,250		120		<4
18	5.5	3.1	4.7	0.576			5,060	93	2.4	0.8	233	0.90	6,244	98	2.1	1.0	0.93	0.86	1,751	138,480	15,750		120		<4
19	5.5	3.0	4.6	0.532			5,544	85	2.1	0.9	225	0.90	5,900	85	2.2	0.9	0.92	0.87	2,284	123,372	4,250				
20	5.8	2.6	4.6	0.493			6,912	82	2.3	0.8	230	0.99	6,432	81	2.1	0.7	1.01	0.96	3,352	127,723	3,500				
21	7.4	3.1	5.3	0.539					2.4	0.8	164				2.5	0.9			4,190	81,005	1,950				
22	6.0	0.8	4.2	0.560					2.4	0.8	231				2.8	0.8			4,190	129,300	0				
23	6.7	2.4	4.6	0.559			5,828	93	5.0	0.3	255	0.87	6,728	101	5.0	0.8	0.95	0.78	4,415	112,108	3,000		110	66	<4
24	5.8	3.1	4.7	0.548			5,356	103	2.4	0.7	177	1.00	5,732	108	2.9	1.0	0.94	1.05	5,079	134,232	6,000		110		<4
25	5.9	3.2	4.8	0.563			5,496	106	2.6	0.7	246	0.94	6,664	83	2.5	1.2	1.03	0.84	5,409	87,970	9,750		120		<4
26	6.8	2.9	4.7	0.533			5,788	95	2.4	0.8	225	0.92	6,236	96	3.0	1.9	0.97	0.87	5,870	128,892	1,000				
27	5.7	3.1	4.6	0.572			5,692	88	2.6	0.8	251	0.82	5,824	77	2.9	0.3	0.96	0.68	2,651	137,784	9,600				
28	6.0	3.0	4.7	0.597					2.4	0.7	230				2.2	0.9			2,790	128,892	1,000				
Total	169.1	81.7	132.39																68,218	3,399,499	138,600				
Ave.	6.0	2.9	4.73	0.574			4,987	80	2.7	0.9	223	0.82	5,951	80	2.9	1.0	0.83	0.82	2,436	121,411	4,950		136	106	4

Revised - no changes this page

	Suspended Solids			Settleable Solids	Turbidity	Chlorine Dose		Chlorine Residual		Chlorine Residual Average	Fecal Coliform	E. Coli	Ammonia			Nitrite			Nitrate			TKN		
	Inf.	Prim Eff.	Final Eff.	Eff.	Eff.			high	low				Inf.	Prim Eff.	Final Eff.	Inf.	Prim Eff.	Final Eff.	Inf.	Prim. Eff.	Final Eff.	Inf.	Prim Eff.	Final Eff.
Units	mg/l			ml/l	NTU	lbs	mg/l	mg/l		mg/l	#/100ml	#/100ml	mg/l			mg/l			mg/l			mg/l		
Freq.	3/week			Wk Day	Wk Day	4/Work Day		4/work day		4/wk day	3/week	See table A of permit	3/week	Mthly	3/wk	Monthly			Monthly			Monthly		
1						0.00	0.00																	
2	240	81	<5	0.0	2.6	0.00	0.00						21.10	19.6	0.10	0.240	<0.010	0.010	1.30	<0.01	3.070	34.40	27.60	1.320
3	200		<5	0.0	2.5	0.00	0.00						18.50		0.14	0.280		0.010	1.74		3.430	30.80		1.380
4	230		7	0.0	3.7	0.00	0.00						16.70		0.15	0.440		0.020	1.22		3.370	33.70		1.910
5				0.0	2.9	0.00	0.00																	
6				0.0	2.8	0.00	0.00																	
7						0.00	0.00																	
8						0.00	0.00																	
9	290	76	7	0.0	3.6	0.00	0.00						18.70		0.19	0.230		0.020	0.82		3.420	38.70		1.940
10	250		<5	0.0	4.1	0.00	0.00						19.00		0.17	0.440		0.020	0.46		3.210	38.40		1.720
11	250		6	0.0	3.7	0.00	0.00						16.10		0.48	0.210		0.020	1.26		2.700	33.90		1.890
12				0.0	3.5	0.00	0.00																	
13				0.0	5.5	0.00	0.00																	
14						0.00	0.00																	
15						0.00	0.00																	
16	300	130	<5	0.0	2.4	0.00	0.00						17.70		0.66	0.500		0.050	1.53		4.150	34.40		2.520
17	200		8	0.0	6.5	0.00	0.00						15.40		0.59	0.430		0.060	1.57		3.760	29.50		2.690
18	210		<5	0.0	4.0	0.00	0.00						14.70		0.26	0.270		0.040	1.09		3.100	30.60		2.040
19				0.0	3.1	0.00	0.00																	
20				0.0	3.6	0.00	0.00																	
21						0.00	0.00																	
22						0.00	0.00																	
23	86	48	<5	0.0	2.7	0.00	0.00						19.00		0.92	0.010		0.040	<0.02		4.650	29.80		2.420
24	57		<5	0.0	2.2	0.00	0.00						21.70		0.12	0.280		0.020	0.08		4.210	31.00		1.280
25	110		<5	0.0	2.8	0.00	0.00						21.20		0.24	0.160		0.030	0.03		4.240	33.70		1.580
26				0.0	2.5	0.00	0.00																	
27				0.0	2.4	0.00	0.00																	
28						0.00	0.00																	
Total																								
Ave.	202	84	6	0.0	3.4	0.00	0.00						18.32	19.6	0.34	0.291	0.010	0.028	0.93	0.01	3.609	33.24	27.60	1.891

Revised Inf. metals reported.

	Total N			Total N	Low D.O.	pH		Total P			Total P	Ortho P			Temp.		Arsenic		Copper	Nickel		Selenium	
	Inf.	Prim. Eff.	Final Eff.	Eff.	Eff.	Inf.	Eff.	Inf.	Prim. Eff.	Final Eff.	Eff.	Inf.	Prim. Eff.	Final Eff.	Inf.	Eff.	Inf.	Eff.	Eff.	Inf.	Eff.	Inf.	Eff.
Units	mg/l			lb/d	mg/l	S.U.		mg/l			lb/d	mg/l			F		mg/l		mg/l	kg/day		kg/day	
Freq.	Monthly			Mthly	4/wk day	Work Day		Nov-March (Monthly) (April-October) 2/week			Apr - Oct	Nov-March (Monthly) (April - October) 2/week			Work day		Weekly		Mthly	Weekly		Weekly	
1																							
2	35.9	27.6	4.4	187	7.8	7.4	6.6	4.80		7.10	303	2.00		7.10	53	65	<0.0040	<0.004	0.011	0.11	0.32	0.10	0.04
3	32.8		4.8	180	7.8	7.5	6.5			7.29	271			7.20	54	65							
4	35.4		5.3	221	7.7	7.4	6.5								55	65							
5					7.4	7.5	6.5								55	65							
6					7.6	7.5	6.6								55	65							
7															55								
8																							
9	39.8		5.4	212	8.0	7.5	6.7			7.00	276			7.00	55	62	<0.0040	<0.004		0.25	0.28	0.09	0.04
10	39.3		5.0	196	8.2	7.5	6.8			7.00	274			6.75	56	62							
11	35.4		4.6	176	7.9	7.6	6.7								56	62							
12					7.8	7.5	6.7								56	63							
13					8.0	7.6	6.7								55	61							
14																							
15																							
16	36.4		6.7	263	7.8	7.6	6.6			9.41	368			9.00	55	60	<0.0040	<0.004		0.17	0.21	0.26	0.03
17	31.5		6.5	255	7.6	7.6	6.6			9.69	377			9.40	55	64							
18	32.0		5.2	199	8.4	7.6	6.7								55	64							
19					7.9	7.5	6.7								57	66							
20					7.6	7.5	6.6								55	64							
21																							
22																							
23	29.8		7.1	272	7.8	7.7	6.6			7.22	274			7.20	54	65	<0.0040	<0.004		0.20	0.20	0.09	0.03
24	31.4		5.5	216	7.7	6.9	6.6			7.43	291			6.85	54	65							
25	33.9		5.8	232	7.5	7.6	6.6								56	67							
26					7.9	7.5	6.7								53	66							
27					7.8	7.6	6.6								55	66							
28																							
Total																							
Ave.	34.5	27.6	5.5	217	7.8	7.5	6.6	4.80		7.77	304	2.00		7.56	54.9	64.0	0.0040	0.0040	0.011	0.18	0.25	0.13	0.04

	Zinc		Alkalinity	
			Pri. Eff.	
	Inf.	Eff.		Eff.
Units	kg/day		mg/l	
Freq.	Weekly		Monthly	
1				
2	3.11	2.008	80	40
3			120	30
4			120	30
5			110	40
6			100	40
7				
8				
9	6.13	1.873	110	40
10			110	40
11			140	30
12			120	40
13			130	30
14				
15				
16	4.84	1.510	120	60
17			120	50
18			110	60
19			110	70
20			100	60
21				
22				
23	3.92	1.650	100	40
24			130	40
25			140	40
26			130	40
27			140	40
28				
Total				
Ave.	4.50	1.760	117	43

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: 7-6-15

Revised

Revised Inf. metals reported

Naugatuck WPCF

Sample month/year March, 2015

Facility ID: 088-001

Permit #: CT0100641

Date received: (stamped)

Revised - no changes this page

	Daily Flow			Primary Sludge			Aeration Tank #1				Return Sludge		Aeration Tank #2				Return Sludge		Waste Sludge	Dry Solids to Incineration	Waste Accepted		CBOD (5-Day)		
	Max.	Min.	Total	Vol.	% solids	wt.	MLSS	SVI	High D.O.	Low D.O.			MLSS	SVI	High D.O.	Low D.O.	% Flow	%Solids			Septic	Indust	Inf.	Prim eff.	Final eff.
Units	mgd			MG		lbs.			mg/l		% Flow	% Solids			mg/l				lbs	lbs	gal	gal	mg/l		
Freq	Daily			Work Day			Work Day		4/ work day				Work Day		4/Work Day		Work Day		Wk Day	Wk Day	Work Day		3/week		
1	6.0	3.1	4.7	0.614					2.5	0.8	204				2.4	1.0			4,185	138,336	4,000				
2	5.9	3.1	4.6	0.599			9,908	51	5.0	0.9	244	0.94	7,196	79	5.0	1.0	1.05	0.82	3,182	131,520	4,500		220	110	<4
3	6.0	3.1	4.7	0.613			5,956	67	2.8	0.8	229	0.93	8,372	61	2.5	1.0	1.12	0.74	3,165	135,420	18,250		120		<4
4	6.8	3.9	5.6	0.612			5,684	77	2.4	0.7	193	1.06	7,000	81	2.2	1.1	1.14	0.97	3,590	119,256	8,750		130		<4
5	6.3	3.9	5.3	0.613			6,940	62	2.7	0.8	196	0.95	6,956	101	2.3	1.2	1.14	0.76	1,212	82,624	1,500				
6	6.1	3.6	4.9	0.637			5,456	84	2.8	0.5	207	1.03	6,656	87	2.7	0.9	1.24	0.81	0	21,656	8,200				
7	7.0	3.8	5.3	0.676					3.1	0.4	194				3.2	1.0			0		3,900				
8	6.5	3.4	5.2	0.684					3.2	0.5	194				4.2	1.1			0		0				
9	6.6	3.5	5.2	0.633			6,260	102	3.4	0.4	204	0.91	6,568	99	5.0	2.0	1.06	0.76	0		12,500		100	93	<4
10	6.9	4.0	5.7	0.631			5,944	106	3.3	0.5	186	0.97	6,156	102	3.1	0.9	1.14	0.80	1,444		20,500		85		<4
11	8.7	4.5	6.6	0.598			6,320	103	3.0	0.3	172	1.01	6,160	102	2.7	1.0	1.22	0.79	3,420		8,750		83		<4
12	7.8	5.0	6.8	0.607			6,236	101	3.4	0.2	137	1.17	6,564	99	3.0	0.9	1.00	1.33	3,964		13,750				
13	7.5	4.8	5.6	0.601			5,588	104	3.6	0.2	174	1.12	6,360	104	3.9	1.4	1.06	1.18	13,624		12,700				
14	9.4	4.7	5.5	0.540					2.3	0.2	189				3.9	1.0			17,150	102,119	0				
15	9.7	6.5	7.6	0.453					5.0	0.9	132				5.0	1.3			20,484	147,072	0				
16	9.2	6.4	8.0	0.452			5,156	95	2.7	1.0	117	1.10	6,136	108	2.7	1.2	0.95	1.24	3,726	135,420	24,050		35	45	<4
17	10.3	6.7	8.6	0.532			5,656	74	2.8	0.8	117	1.16	7,308	78	2.4	1.3	0.94	1.37	3,685	141,264	15,500		43		<4
18	9.9	7.2	8.6	0.510			4,240	94	3.0	1.0	113	1.14	6,164	81	2.4	1.3	1.08	1.20	18,426	134,649	33,750		40		<4
19	9.3	6.3	7.9	0.448			3,612	122	2.9	0.3	128	0.99	4,936	128	2.5	1.2	0.80	1.18	1,684	135,420	6,750				
20	10.5	5.9	7.6	0.579			5,844	86	3.4	0.4	145	1.04	7,168	86	2.6	0.9	1.08	0.99	4,402	142,355	8,250				
21	9.2	5.7	7.4	0.542					2.8	0.8	144				2.5	1.0			5,283	144,768	1,000				
22	8.8	5.7	7.2	0.544					2.7	0.9	132				2.5	0.9			5,283	151,008	0				
23	8.2	5.3	7.1	0.541			3,764	77	5.0	0.8	148	1.03	6,568	93	5.0	1.2	1.04	1.01	1,962	138,336	29,500		77	97	<4
24	8.3	5.5	7.1	0.586			5,488	78	2.6	0.8	83	1.01	7,028	84	2.5	1.0	1.04	0.97	1,710	147,888	20,500		69		<4
25	8.2	5.5	7.1	0.561			5,820	66	2.6	0.8	347	1.19	7,256	81	2.5	1.2	1.12	1.25	2,016	151,584	22,250		57		<4
26	9.1	5.5	7.5	0.469			5,656	87	2.6	1.0	130	1.19	6,816	85	2.5	1.1	1.11	1.27	3,037	147,888	11,250				
27	10.3	7.2	8.9	0.446			6,208	70	2.8	0.8	120	1.22	7,192	82	2.6	1.3	1.12	1.31	6,201	158,184	19,200				
28	10.1	7.3	8.6	0.457					2.8	0.9	128				2.6	0.8			6,201	169,848	1,000				
29	9.3	6.3	7.8	0.427					2.7	0.8	122				2.4	1.1			10,336	174,024	1,500				
30	9.0	6.1	7.8	0.396			4,408	82	2.8	1.0	144	1.11	6,656	90	2.5	1.1	1.10	1.11	5,875	165,408	29,750		74		<4
31	8.9	6.2	7.8	0.426			3,756	77	2.8	0.9	134	1.16	7,872	76	2.3	1.1	1.22	1.09	7,860	163,116	12,300		54		<4
Total	255.8	159.7	208.12				3,756												163,107	3,279,163	353,850				
Ave.	8.3	5.2	6.71	0.549			5,632	85	3.1	0.7	165	1.06	6,777	90	3.0	1.1	1.08	1.04	5,262	136,632	11,415		85	86	4

Revised no changes this page

	Suspended Solids			Settleable Solids	Turbidity	Chlorine Dose		Chlorine Residual		Chlorine Residual Average	Fecal Coliform	E. Coli	Ammonia			Nitrite			Nitrate			TKN		
	Inf.	Prim Eff.	Final Eff.	Eff.	Eff.			high	low				Inf.	Prim Eff.	Final Eff.	Inf.	Prim Eff.	Final Eff.	Inf.	Prim. Eff.	Final Eff.	Inf.	Prim Eff.	Final Eff.
Units	mg/l			ml/l	NTU	lbs	mg/l	mg/l		mg/l	#/100ml	#/100ml	mg/l			mg/l			mg/l			mg/l		
Freq.	3/week			Wk Day	Wk Day	4/Work Day		4/work day		4/wk day	3/week	See table A of permit	3/week	Mthly	3/wk	Monthly			Monthly			Monthly		
1						0.00	0.00																	
2	310	82	<5	0.0	2.2	0.00	0.00						22.60	19.5	0.15	0.010	<0.010	0.020	<0.02	<0.02	2.800	38.50	28.20	1.250
3	260		<5	0.0	5.2	0.00	0.00						21.90		0.08	0.010		0.030	<0.02		2.990	35.90		1.330
4	170		<5	0.0	4.3	0.00	0.00						19.60		<0.05	0.020		0.030	<0.02		3.430	29.80		1.360
5				0.0	2.4	0.00	0.00																	
6				0.0	2.8	0.00	0.00																	
7						0.00	0.00																	
8						0.00	0.00																	
9	190	71	<5	0.0	2.9	0.00	0.00						19.50		0.09	0.130		0.020	0.44		3.540	31.10		1.210
10	110		<5	0.0	4.3	0.00	0.00						18.70		0.26	<0.010		0.040	<0.02		3.540	27.40		1.720
11	160		7	0.0	4.5	0.00	0.00						14.90		0.71	0.170		0.050	0.51		3.410	23.00		2.380
12				0.0	4.3	0.00	0.00																	
13				0.0	6.8	0.00	0.00																	
14						0.00	0.00																	
15						0.00	0.00																	
16	26	36	<5	0.0	2.9	0.00	0.00						10.30		0.08	0.120		0.010	1.05		2.840	13.80		0.980
17	58		6	0.0	2.5	0.00	0.00						8.02		0.08	0.130		<0.010	0.96		2.550	11.90		1.080
18	38		<5	0.0	4.3	0.00	0.00						10.30		0.06	0.120		0.020	1.01		2.310	15.50		1.060
19				0.0	4.6	0.00	0.00																	
20				0.0	8.8	0.00	0.00																	
21						0.00	0.00																	
22						0.00	0.00																	
23	150	56	<5	0.0	1.6	0.00	0.00						10.60		0.07	0.120		<0.010	0.59		2.300	16.90		1.050
24	100		<5	0.0	4.7	0.00	0.00						13.50		<0.05	0.110		<0.010	0.56		2.650	20.50		1.070
25	120		<5	0.0	3.0	0.00	0.00						13.30		<0.05	0.110		0.010	0.40		2.610	19.10		1.220
26				0.0	3.2	0.00	0.00																	
27				0.0	3.5	0.00	0.00																	
28						0.00	0.00																	
29						0.00	0.00																	
30	150		<5	0.0	3.5	0.00	0.00						10.70		<0.05	0.160		<0.010	0.49		2.490	18.00		1.010
31	43		<5	0.0	2.2	0.00	0.00						10.30		<0.05	0.130		<0.010	0.69		2.950	15.90		1.190
Total																								
Ave.	135	61	5	0.0	3.8	0.00	0.00						14.59	19.5	0.13	0.096	0.010	0.020	0.48	0.02	2.886	22.66	28.20	1.279

	Total N			Total N	Low D.O.	pH		Total P			Total P	Ortho P			Temp.		Arsenic		Copper	Nickel		Selenium	
	Inf.	Prim. Eff.	Final Eff.	Eff.	Eff.	Inf.	Eff.	Inf.	Prim. Eff.	Final Eff.	Eff.	Inf.	Prim. Eff.	Final Eff.	Inf.	Eff.	Inf.	Eff.	Eff.	Inf.	Eff.	Inf.	Eff.
Units	mg/l			lb/d	mg/l	S.U.		mg/l			lb/d	mg/l			F		mg/l		mg/l	kg/day		kg/day	
Freq.	Monthly			Mthly	4/wk day	Work Day		Nov-March (Monthly) (April-October) 2/week			Apr - Oct	Nov-March (Monthly) (April - October) 2/week			Work day		Weekly		Mthly	Weekly		Weekly	
1																							
2	38.5	28.2	4.1	157	8.1	7.6	6.8	6.28		8.10	313	2.37		8.10	55	64	<0.0040	0.007	0.012	0.12	0.26	0.09	0.05
3	35.9		4.4	172	8.2	7.1	6.7			8.42	332			8.40	55	63							
4	29.8		4.8	224	7.6	7.5	6.6								55	65							
5					8.1	7.4	6.6								58	65							
6					8.4	8.0	6.6								58	64							
7															58								
8																							
9	31.7		4.8	208	9.0	7.5	6.8			4.82	210			4.88	52	56	<0.0040	<0.004		0.39	0.25	0.10	0.02
10	27.4		5.3	252	8.9	7.4	6.8			4.56	216			4.39	53	54							
11	23.7		5.8	319	8.6	7.3	6.8								52	54							
12					8.7	7.2	6.7								52	52							
13					9.0	7.3	6.7								52	50							
14																							
15																							
16	15.0		3.8	254	7.7	7.3	6.4			4.20	279			4.20	50	59	<0.0040	<0.004		0.44	0.27	0.15	0.06
17	13.0		3.6	258	7.2	7.2	6.4			4.73	340			4.52	53	62							
18	16.6		3.4	244	6.9	7.1	6.4								53	65							
19					7.0	7.2	6.4								53	63							
20					7.1	7.2	6.5								52	62							
21																							
22																							
23	17.6		3.4	201	7.2	7.2	6.6			4.00	237			4.00	54	62	<0.0040	<0.004		0.24	0.26	0.13	0.08
24	21.2		3.7	219	7.4	7.3	6.7			4.94	294			4.50	54	63							
25	19.6		3.8	225	7.7	7.3	6.7								56	64							
26					7.8	7.2	6.6								55	64							
27					7.5	7.2	6.6								54	64							
28																							
29																							
30	18.7		3.5	228	7.6	7.1	6.5								53	63							
31	16.7		4.2	273	7.4	7.2	6.4								53	66							
Total																							
Ave.	23.2	28.2	4.2	231	7.9	7.3	6.6	6.28		5.47	277	2.37		5.37	53.4	61.2	0.0040	0.0048	0.012	0.30	0.26	0.12	0.05

Revised — Inf. metals reported.

	Zinc		Alkalinity	
			Pri. Eff.	
	Inf.	Eff.		Eff.
Units	kg/day		mg/l	
Freq.	Weekly		Monthly	
1				
2	5.89	1.850	100	40
3			120	40
4			90	40
5			150	50
6			100	30
7				
8				
9	4.09	1.874	100	60
10			140	40
11			110	60
12			110	50
13			90	50
14				
15				
16	1.86	2.743	70	40
17			80	40
18			100	30
19			80	40
20			100	40
21				
22				
23	2.54	2.466	80	30
24			90	40
25			90	40
26			80	40
27			80	40
28				
29				
30			110	60
31			70	40
Total				
Ave.	3.60	2.233	97	43

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: 7-6-15

Revised

Revised Int. Zn reported

Naugatuck WPCF | **Facility ID: 088-001** | Date received: (stamped) Revised - no changes this page

Sample month/year April, 2015 | **Permit #: CT0100641** | **Page1 of 4 of MOR for Naugatuck WPCF**

	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	10.3	6.0	8.1	0.420			4,792	73	5.0	0.9	108	1.15	6,788	88	5.0	1.3	1.13	1.17	13,696	108,410	19,000		60	76	<4
2	8.5	3.1	7.5	0.384			2,668	90	2.7	1.0	99	1.19	5,692	111	3.0	1.3	1.22	1.16	12,148	151,584	17,750				
3	10.2	6.3	8.0	0.420			4,040	87	2.8	1.0	94	1.20	6,124	87	2.4	1.1	1.13	1.27	12,250	167,124	26,450				
4	10.3	6.8	8.5	0.429					5.0	0.2	87				5.0	0.5			12,250	138,736	5,000				
5	10.4	6.3	8.3	0.426					2.8	1.0	84				2.5	1.1			12,250	163,680	0				
6	9.1	3.2	7.1	0.412			3,692	87	2.7	1.0	102	1.13	5,140	95	2.6	1.1	0.85	1.41	5,287	153,228	29,000		70		<4
7	10.3	4.8	7.9	0.469			3,800	87	2.6	1.0	129	0.90	5,192	91	2.7	1.0	0.67	1.12	609	131,412	16,500		49		<4
8	9.3	2.5	7.7	0.452			4,168	82	2.5	1.0	137	0.92	5,364	80	2.5	1.0	0.95	0.89	1,565	144,768	28,500		57	67	<4
9	8.8	6.3	7.9	0.444			4,904	84	2.6	0.8	131	1.20	5,772	88	2.8	1.1	0.99	1.40	4,066	162,316	46,750				
10	9.8	6.2	8.2	0.447			4,328	83	2.6	0.9	140	0.95	5,712	88	2.6	0.8	1.04	0.85	2,412	168,084	37,200				
11	9.8	6.6	8.0	0.193					5.0	1.1	128				5.0	1.1			2,412	165,731	13,400				
12	9.8	6.1	7.5	0.440					2.7	0.9	141				2.4	1.2			2,412	168,084	0				
13	8.4	6.0	7.3	0.449			5,028	78	2.7	0.9	147	1.17	5,212	84	2.5	1.2	1.03	1.30	2,973	169,848	33,750		49		<4
14	8.5	5.9	7.3	0.447			6,820	63	2.3	1.2	141	1.24	6,880	70	2.4	1.1	1.08	1.40	3,165	166,416	30,000		49		<4
15	8.5	5.6	7.1	0.450			5,724	79	2.4	0.9	155	1.12	7,040	74	2.3	1.2	1.21	1.03	2,858	156,528	49,250				
16	8.0	5.2	6.7	0.455			6,164	83	5.0	0.2	158	1.10	7,120	79	2.2	0.2	1.14	1.05	2,794	154,116	52,750		150	200	<4
17	8.3	4.8	7.0	0.454			6,888	81	2.4	0.8	152	1.13	6,312	90	2.4	1.2	1.24	1.01	2,871	159,828	53,750				
18	7.8	5.1	6.5	0.458					2.2	1.4	163				2.2	1.3			2,871	155,664	14,950				
19	7.8	4.5	6.4	0.447					2.2	1.4	174				2.4	1.4			3,828	151,297	2,000				
20	9.5	4.7	7.5	0.445			7,568	75	5.0	1.2	149	1.32	6,676	90	5.0	1.4	1.33	1.31	19,651	144,295	26,800		55		<4
21	10.0	7.5	8.7	0.364			5,864	90	2.5	1.1	120	1.38	6,660	83	2.3	1.3	1.29	1.46	17,545	141,660	51,500		61		<4
22	10.5	6.6	8.3	0.424			5,788	88	2.4	0.9	124	1.36	6,372	89	2.3	1.2	1.19	1.53	9,255	163,680	48,000		45	74	<4
23	9.3	6.6	7.8	0.447			5,460	90	2.5	1.0	129	1.21	6,444	87	2.4	1.1	1.16	1.26	8,235	169,848	30,750				
24	9.3	5.8	7.4	0.433			6,724	73	2.5	1.2	144	1.24	7,092	83	2.4	1.0	1.09	1.39	6,329	156,328	41,500				
25	8.3	5.7	6.9	0.195					5.0	1.2	146				5.0	0.9			6,329	155,485	14,250				
26	8.2	5.4	6.7	0.417					2.5	1.1	153				2.3	1.1			6,329	168,084	0				
27	9.2	5.1	6.9	0.432			5,604	107	2.4	1.1	141	1.16	7,524	90	2.3	1.1	1.17	1.15	11,841	172,296	68,700		89		<4
28	7.6	5.0	6.5	0.384			5,552	86	2.5	1.2	174	1.15	6,608	88	2.3	1.3	1.11	1.19	7,337	163,680	58,200		96		<4
29	9.2	4.4	6.9	0.433			4,624	108	2.5	1.1	137	0.99	8,260	80	2.3	1.2	1.00	0.98	7,580	171,612	74,050		120		<4
30	7.3	4.5	6.6	0.420			5,308	109	2.5	1.1	143	1.08	6,748	65	2.3	1.2	1.06	1.09	8,230	173,376	35,500				
Total	272.3	162.6	222.85																211,378	4,717,199	925,250				
Ave.	9.1	5.4	7.43	0.416			5,250	86	3.0	1.0	134	1.15	6,397	85	2.9	1.1	1.09	1.20	7,046	157,240	30,842		73	104	4

Revised - no changes this page

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

Revised - Inf. metals reported.

	Total N			Total N	Low D.O.	pH		Total P			Total P	Ortho P			Temp.		Arsenic		Copper	Nickel		Selenium	
	Inf.	Prim. Eff.	Final Eff.	Eff.	Eff.	Inf.	Eff.	Inf.	Prim. Eff.	Final Eff.	Eff.	Inf.	Prim. Eff.	Final Eff.	Inf.	Eff.	Inf.	Eff.	Eff.	Inf.	Eff.	Inf.	Eff.
Units	mg/l			lb/d	mg/l	S.U.		mg/l			lb/d	mg/l			F		mg/l		mg/l	kg/day		kg/day	
Freq.	Monthly			Mthly	4/wk day	Work Day		Nov-March (Monthly) (April-October) 2/week			Apr - Oct	Nov-March (Monthly) (April - October) 2/week			Work day		Weekly		Mthly	Weekly		Weekly	
1	17.1	27.0	4.0	267	7.9	7.1	6.5	2.62		4.59	308	1.25		4.32	53	63	<0.0040	<0.004	0.012	0.21	0.27	0.15	0.06
2					8.0	7.1	6.4								55	64							
3					8.1	6.9	6.5								55	64							
4																							
5																							
6	18.6		4.3	255	7.4	7.1	6.4			5.05	300			4.61		69							
7	19.2		3.4	221	7.4	7.2	6.4									65							
8	18.6		3.6	231	8.1	7.1	6.5			4.47	287			4.20	57	64	<0.0040	<0.004		1.37	0.28	0.14	0.11
9					7.7	7.2	6.5								54	65							
10					7.5	7.2	6.6								56	66							
11																							
12																							
13	18.8		5.0	304	7.2	7.3	6.6			5.34	326			5.30	57	68							
14	21.7		4.4	268	7.1	7.3	6.6								57	72							
15					6.9	7.3	6.7								58	78							
16	17.1		3.5	196	7.2	7.1	6.7			5.30	297			5.30	60	70	<0.0040	0.007		0.30	0.32	0.13	0.07
17					7.2	7.2	6.8								58	69							
18																							
19																							
20	17.3		4.9	306	6.9	7.3	6.6			5.04	317			4.52	62	71							
21	15.0		3.9	283	6.5	7.2	6.6								59	72							
22	14.4		4.3	298	6.7	7.1	6.6			4.80	331			4.80	62	75	<0.0040	<0.004		0.28	0.31	0.16	0.12
23					6.3	7.1	6.7								58	76							
24					6.6	7.2	6.6								60	74							
25																							
26																							
27	29.7		5.6	322	6.3	7.3	6.6			4.60	265			4.60	62	77							
28	23.4		4.6	246	7.5	7.0	6.6								58	71							
29	26.1		5.6	318	6.9	7.2	6.6			5.87	335			5.75	62	79							
30					6.9	7.2	6.6								63	77							
Total																							
Ave.	19.8	27.0	4.4	270	7.2	7.2	6.6	2.62		5.01	307	1.25		4.82	58.1	70.4	0.0040	0.0048	0.012	0.54	0.30	0.14	0.09

	Zinc		Alkalinity	
			Pri. Eff.	
	Inf.	Eff.		Eff.
Units	kg/day		mg/l	
Freq.	Weekly		Monthly	
1	2.65	2.621	70	30
2			80	30
3			80	20
4				
5				
6			80	30
7			90	40
8	25.95	2.618	80	40
9			90	40
10			80	40
11				
12				
13			90	30
14			90	40
15			110	40
16	6.60	1.594	100	40
17			120	40
18				
19				
20			100	40
21			100	40
22	3.12	1.838	80	40
23			100	40
24			90	40
25				
26				
27			100	40
28			70	30
29			130	40
30			120	40
Total				
Ave.	9.58	2.168	93	37

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: 7-6-15

Revised

Revised - Inf. metals reported (Zn)

Naugatuck WPCF | **Facility ID: 088-001** | Date received: (stamped) | Revised - no changes this page

Sample month/year May, 2015 | **Permit #: CT0100641** | **Page1 of 4 of MOR for Naugatuck WPCF**

	Daily Flow			Primary Sludge			Aeration Tank #1				Return Sludge		Aeration Tank #2				Return Sludge		Waste Sludge	Dry Solids to Incineration	Waste Accepted		CBOD (5-Day)		
	Max.	Min.	Total	Vol.	% solids	wt.	MLSS	SVI	High D.O.	Low D.O.			MLSS	SVI	High D.O.	Low D.O.	% Flow	%Solids			Septic	Indust	Inf.	Prim eff.	Final eff.
Units	mgd			MG		lbs.			mg/l		% Flow	% Solids			mg/l				lbs	lbs	gal	gal	mg/l		
Freq	Daily			Work Day			Work Day		4/ work day				Work Day		4/Work Day		Work Day		Wk Day	Wk Day	Work Day		3/week		
1	7.3	4.6	6.5	0.423			5,052	83	2.4	1.2	176	1.14	6,616	83	2.4	1.2	1.03	1.25	2,909	170,568	53,450				
2	7.6	4.7	6.6	0.445					2.4	1.1	159				2.3	1.2			1,940	165,029	16,000				
3	7.2	4.5	6.5	0.464					2.5	1.1	161				2.2	1.1			2,909	163,680	750				
4	7.4	4.5	6.7	0.462			6,668	95	5.0	1.3	152	1.10	5,600	91	5.0	1.4	1.14	1.06	4,211	175,152	51,840		110	160	<4
5	4.5	7.4	6.5	0.448			5,820	84	2.5	1.0	150	1.26	7,056	86	2.7	0.9	1.31	1.20	6,406	140,496	65,500		110		<4
6	7.1	4.5	6.3	0.450			5,764	87	2.4	1.2	168	1.17	7,196	86	2.5	1.2	1.16	1.17	5,946	160,236	62,200		140		<4
7	7.2	4.5	6.2	0.451			6,148	85	2.3	1.2	164	1.15	7,304	88	2.5	1.1	1.14	1.15	5,844	175,152	47,300				
8	6.2	5.6	6.2	0.448			6,012	90	2.4	0.4	170	1.10	7,236	88	2.6	0.8	1.07	1.13	5,614	176,532	55,000				
9	7.3	4.2	6.2	0.457					3.2	0.9	177				5.0	1.2			5,614	180,380	5,000				
10	9.4	0.9	6.4	0.449					2.2	0.1	156				3.5	0.4			5,614	157,836	2,000				
11	6.8	5.5	6.4	0.467			6,936	81	2.3	1.4	162	1.13	7,580	80	2.7	0.3	1.16	1.10	3,845	181,680	41,300		100	160	<4
12	6.8	5.4	6.2	0.464			6,792	72	2.3	1.3	169	1.30	7,852	66	2.9	0.0	1.40	1.20	9,953	170,976	50,200		71		<4
13	6.8	5.4	6.2	0.427			6,660	90	3.6	0.4	169	1.09	6,948	79	3.9	1.3	1.12	1.05	5,538	178,080	58,450		85		<4
14	6.8	4.0	6.0	0.405			6,548	86	2.1	1.4	171	1.11	7,100	87	3.1	0.0	1.13	1.08	7,050	180,108	41,250				
15	6.6	3.8	5.9	0.460			6,492	85	2.3	1.4	181	0.98	7,028	92	2.2	1.3	1.04	0.92	6,252	176,532	45,250				
16	7.0	4.0	6.1	0.433					5.0	1.5	168				4.8	1.3			6,252	168,072	4,200				
17	7.4	3.8	6.5	0.449					2.2	1.4	161				2.2	1.3			6,252	123,048	2,000				
18	6.9	4.3	6.3	0.454			6,980	92	2.3	1.4	168	1.05	6,684	97	2.3	1.4	1.02	1.08	6,699	175,152	51,000		120	200	<4
19	9.0	4.2	6.6	0.441			6,228	90	2.3	1.3	159	1.03	6,444	90	2.3	1.4	1.00	1.05	6,540	170,568	56,000		130		<4
20	7.2	0.0	6.0	0.455			6,440	93	2.4	1.1	173	1.01	7,280	95	2.3	1.0	0.98	1.03	7,181	178,704	39,950		140		<4
21	6.9	4.5	5.7	0.454			6,056	92	2.2	1.3	174	1.09	8,104	81	2.4	1.2	1.08	1.09	8,307	175,152	49,000				
22	6.5	3.8	5.3	0.436			6,516	94	2.3	1.3	217	0.97	8,088	82	2.6	1.1	0.94	0.99	7,388	175,152	63,750				
23	6.8	3.7	5.0	0.433					5.0	1.3	234				5.0	1.1			7,388	184,224	14,000				
24	5.8	2.7	4.1	0.438					2.3	1.2	219				2.3	1.3			7,388	194,364	0				
25	5.2	2.7	4.1	0.433					2.6	1.0	274				2.5	1.2			7,388	187,236	0		130	270	<4
26	6.0	2.5	4.3	0.409			4,468	76	2.4	1.0	233	0.88	5,960	76	2.3	1.1	0.80	0.96	2,994	173,376	53,390		100		<4
27	5.3	2.8	4.1	0.482			5,956	79	2.2	1.4	259	1.07	6,356	79	2.3	1.2	1.03	1.10	3,624	176,532	48,000		92		<4
28	4.9	2.8	4.0	0.463			5,764	76	2.2	1.4	260	1.12	6,208	79	2.3	1.3	0.98	1.25	3,794	169,416	48,300				
29	5.3	2.6	3.9	0.443			6,048	76	2.6	0.7	270	1.08	6,680	75	2.3	0.3	1.11	1.04	3,658	172,968	39,750				
30	5.1	2.6	3.9	0.449					5.0	1.4	274				5.0	1.1			3,658	174,744	8,750				
31	11.0	2.1	4.9	0.460					4.3	1.1	201				4.3	0.8			3,658	172,968	4,000				
Total	211.3	118.6	175.27																171,818	5,324,113	077,580				
Ave.	6.8	3.8	5.65	0.447			6,167	85	2.8	1.1	191	1.09	6,966	84	3.0	1.0	1.08	1.10	5,543	171,746	34,761		111	198	4

Revised no changes this page

	Suspended Solids			Settleable Solids	Turbidity	Chlorine Dose		Chlorine Residual		Chlorine Residual Average	Fecal Coliform	E. Coli	Ammonia			Nitrite			Nitrate			TKN		
	Inf.	Prim Eff.	Final Eff.	Eff.	Eff.			high	low				Inf.	Prim Eff.	Final Eff.	Inf.	Prim Eff.	Final Eff.	Inf.	Prim. Eff.	Final Eff.	Inf.	Prim Eff.	Final Eff.
Units	mg/l			ml/l	NTU	lbs	mg/l	mg/l		mg/l	#/100ml	#/100ml	mg/l			mg/l			mg/l			mg/l		
Freq.	3/week			Wk Day	Wk Day	4/Work Day		4/work day		4/wk day	3/week	See table A of permit	3/week	Mthly	3/wk	Monthly			Monthly			Monthly		
1				0.0	1.6	57.12	1.05	0.030	0.000	0.018														
2						59.07	1.08	0.040	0.000	0.018														
3						58.11	1.08	0.050	0.000	0.028														
4	180	130	<5	0.0	1.7	59.84	1.08	0.050	0.010	0.027			18.10	24.6	0.16	<0.010	<0.010	<0.010	<0.02	<0.02	2.740	30.60	35.00	1.280
5	210		<5	0.0	2.1	59.84	1.11	0.040	0.000	0.017	20		16.10		0.10	0.020		<0.010	<0.02		3.170	28.20		1.340
6	200		<5	0.0	2.0	59.84	1.14	0.030	0.000	0.012	90		17.30		0.11	0.310		<0.010	1.22		3.710	30.00		0.110
7				0.0	2.4	58.63	1.13	0.050	0.000	0.035	<10													
8				0.0	3.8	58.60	1.14	0.050	0.000	0.017														
9						57.26	1.11	0.050	0.020	0.037														
10						59.56	1.12	0.040	0.000	0.010														
11	140	78	<5	0.0	2.3	62.56	1.18	0.040	0.000	0.018			18.50		0.13	0.330		<0.010	<0.02		3.430	31.40		1.420
12	92		<5	0.0	1.9	63.20	1.23	0.040	0.000	0.018	<10		16.90		0.18	0.410		<0.010	0.05		3.610	24.70		2.180
13	99		<5	0.0	1.8	62.86	1.22	0.030	0.000	0.015	70		18.10		0.19	0.230		0.010	<0.02		3.860	27.00		1.090
14				0.0	2.3	64.49	1.30	0.030	0.000	0.017	70													
15				0.0	1.4	60.39	1.22	0.050	0.000	0.020														
16						60.59	1.19	0.040	0.000	0.025														
17						62.55	1.15	0.040	0.000	0.020														
18	140	87	<5	0.0	1.3	62.25	1.18	0.040	0.000	0.013			19.90		0.11	0.020		0.150	<0.02		2.790	30.10		1.250
19	250		<5	0.0	1.7	35.23	0.64	0.030	0.000	0.017	30		20.30		0.19	0.010		0.140	<0.02		2.780	34.70		1.020
20	220		<5	0.0	2.9	58.96	1.18	0.040	0.000	0.012	<10		17.60		0.06	0.020		<0.010	<0.02		3.230	30.10		1.020
21				0.0	1.1	62.33	1.31	0.050	0.000	0.030	20													
22				0.0	1.1	59.81	1.35	0.050	0.000	0.028														
23						56.90	1.36	0.030	0.000	0.012														
24						57.36	1.70	0.010	0.000	0.003														
25	190	170	<5			59.98	1.76	0.030	0.010	0.020			22.90		0.13	0.020		<0.010	<0.02		3.380	35.90		1.070
26	120		<5	0.0	1.4	61.58	1.72	0.050	0.000	0.013	30		22.90		0.09	0.020		0.010	<0.02		2.950	32.80		1.230
27	82		<5	0.0	1.7	62.32	1.80	0.050	0.000	0.032	10		23.20		0.18	0.020		<0.010	<0.02		3.630	32.30		1.630
28				0.0	2.1	62.06	1.85	0.050	0.010	0.030	30													
29				0.0	1.6	62.15	1.92	0.040	0.010	0.030														
30						62.70	1.95	0.050	0.000	0.032														
31						66.38	1.64	0.050	0.000	0.012														
Total																								
Ave.	160	116	5	0.0	1.9	59.82	1.32	0.041	0.002	0.020	25		19.32	24.6	0.14	0.118	0.010	0.033	0.12	0.02	3.273	30.65	35.00	1.220

Revised Inf. metals reported

	Total N			Total N	Low D.O.	pH		Total P			Total P	Ortho P			Temp.		Arsenic		Copper	Nickel		Selenium	
	Inf.	Prim. Eff.	Final Eff.	Eff.	Eff.	Inf.	Eff.	Inf.	Prim. Eff.	Final Eff.	Eff.	Inf.	Prim. Eff.	Final Eff.	Inf.	Eff.	Inf.	Eff.	Eff.	Inf.	Eff.	Inf.	Eff.
Units	mg/l			lb/d	mg/l	S.U.		mg/l			lb/d	mg/l			F		mg/l		mg/l	kg/day		kg/day	
Freq.	Monthly			Mthly	4/wk day	Work Day		Nov-March (Monthly) (April-October) 2/week			Apr - Oct	Nov-March (Monthly) (April - October) 2/week			Work day		Weekly		Mthly	Weekly		Weekly	
1					6.9	7.2	6.6								62	76							
2																							
3																							
4	30.6	35.0	4.0	224	7.6	7.4	6.8	3.47		5.73	319	1.44		5.70	61	75	<0.0040	0.004	0.008	0.22	0.27	0.13	0.05
5	28.2		4.5	244	7.3	7.3	6.8			6.00	324			6.00	62	76							
6	31.5		3.8	200	7.1	7.2	6.7								62	73							
7					7.2	7.3	6.6								62	74							
8					7.2	7.8	6.8								62	74							
9																							
10																							
11	31.8		4.9	262	6.9	7.3	6.7			9.40	498			9.50	63	78	<0.0040	<0.004		0.35	0.33	0.12	0.09
12	25.2		5.8	300	6.6	7.4	6.7			9.80	504			9.45	64	80							
13	27.3		5.0	259	6.7	7.4	6.6								64	79							
14					7.2	7.3	6.7								64	78							
15					6.6	7.3	7.1								63	78							
16																							
17																							
18	30.1		4.2	221	6.8	7.5	6.7			9.95	524			9.95	63	80	<0.0040	0.006		0.33	0.33	0.12	0.09
19	34.7		3.9	215	6.9	7.4	6.8			10.40	572			9.20	66	80							
20	30.1		4.3	215	6.5	7.2	6.7								62	80							
21					6.7	7.3	6.7								62	79							
22					7.1	7.3	6.7								63	77							
23																							
24																							
25	35.9		4.5	154						10.90	372			10.90			<0.0040	0.005		0.09	0.21	0.77	0.15
26	32.8		4.2	151	6.7	7.4	6.8			11.60	416			11.20	68	82							
27	32.3		5.3	181	6.3	7.5	6.7								69	84							
28					6.8	7.4	6.8								66	80							
29					6.9	7.2	6.8								67	84							
30																							
31																							
Total																							
Ave.	30.9	35.0	4.5	219	6.9	7.4	6.7	3.47		9.22	441	1.44		8.99	63.8	78.4	0.0040	0.0048	0.008	0.25	0.28	0.28	0.10

	Zinc		Alkalinity	
	Inf.	Eff.	Pri. Eff.	Eff.
Units	kg/day		mg/l	
Freq.	Weekly		Monthly	
1			110	50
2				
3				
4	5.45	1.999	110	40
5			100	40
6			130	40
7			130	40
8			90	50
9				
10				
11	5.50	1.692	90	50
12			130	40
13			140	40
14			160	50
15			120	70
16				
17				0
18	2.71	1.378	120	40
19			130	60
20			120	40
21			150	50
22			110	60
23				
24				
25	2.50	0.938		
26			130	50
27			150	50
28			130	50
29			130	40
30				
31				
Total				
Ave.	4.04	1.502	124	45

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:

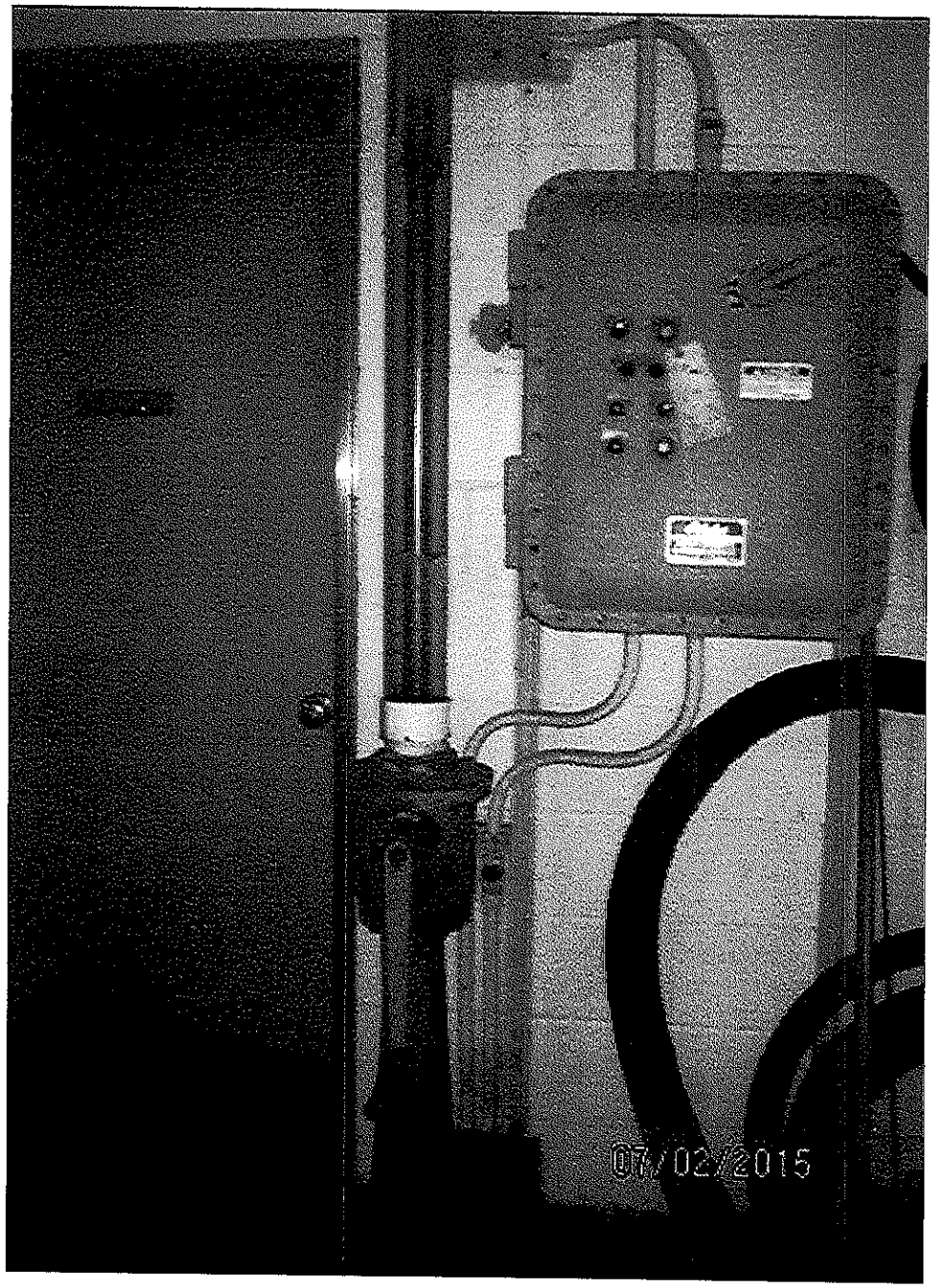
Plant Manager

Signature: John Batorski

Date: 7-6-15

Revised

Revised - Inf. metal Zn reported



— stem indicates gate is fully open.

— Crank on valve actuator operates smoothly and with minimal effort

Gate at top position.

ODOR COMPLAINT REPORT

CALLER INFORMATION: DATE: 6-8-15 TIME: 5:14 pm

CALL TAKEN BY: Odor Hotline

NAME OF COMPLAINTANT: Ed Idarola PHONE NUMBER: 203-768-4970

ADDRESS/LOCATION WHERE ODOR IS BEING DETECTED: 497 Cherry St. Ext.

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

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

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

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

ODOR INVESTIGATION:

(FROM CONTROL ROOM WEATHER STATION)

WIND DIRECTION: SE WIND SPEED: 12 WEATHER: TEMP 73 RAIN 0 HUMID 77% DRY ___ UNSEASONABLY WARM/COLD ___

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

ODOR CONTROL EQUIPMENT STATUS:

PRIMARY SCRUBBER: ON ✓ OFF ___ PH 9.5 ORP 876 MAKE UP WATER: 0.5-1 GPM OK SPRAYS ___

FILTER BLDG SCRUBBER: ON ✓ OFF ___ PH 8.5 ORP 805 MAKE UP WATER: 1-3 GPM OK SPRAYS ___

PERMANGANATE FEEDERS:

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

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

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

COMPLAINT REVIEWED BY: J Batorski DATE: 6-9-15 TIME: ~9 Am

RETURN CALL MADE BY: N/A DATE: ___ TIME: ___

RETURN CALL RESULTS:

We suspect a cake truck. Investigation revealed an old cake truck of sludge was dumped. We contacted the hauler who contacted the plant. The cake will not be stored at the plant for several days than brought here for disposal. We have not experienced that issue before.

ODOR COMPLAINT REPORT

CALLER INFORMATION: DATE: 6/23/15 TIME: 5:59 AM

CALL TAKEN BY: Email to J. Batorski

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

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

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

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

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

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

ODOR INVESTIGATION:

(FROM CONTROL ROOM WEATHER STATION)

WIND DIRECTION: SE WIND SPEED: 8.0 WEATHER: TEMP 64 RAIN 0 HUMID 99 DRY ___ UNSEASONABLY WARM/COLD seasonable

COMPLETE PLANT SURVEY LISTING POSSIBLE SOURCES OF ODORS CONTRIBUTING TO THE COMPLAINT:
Danbury cube @ 4:50 am to 5:20 am
New Rochelle dumped @ 4:45 am

ODOR CONTROL EQUIPMENT STATUS:

PRIMARY SCRUBBER: ON ✓ OFF ___ PH 8.49 ORP 853 MAKE UP WATER: 0.5-1 GPM ✓ SPRAYS ✓

FILTER BLDG SCRUBBER: ON ✓ OFF ___ PH 8.69 ORP 809 MAKE UP WATER: 1-3 GPM ✓ SPRAYS ✓

PERMANGANATE FEEDERS:

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

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

ODOR COUNTERACTANT SYSTEM: ON ✓ OFF ___ VERIFIED OPERATIONAL: YES ✓ SPRAYS ✓

COMPLAINT REVIEWED BY: John Batorski DATE: 6/23/15 TIME: 6:20 AM

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

RETURN CALL RESULTS:
please see attached email response.

WeatherLink 6.0.0 07/14/15 9:57 admin - [Browse Records]

File Setup Reports Browse Window Help

Date	Time	Temp Out	Hi Temp	Low Temp	Out Hum	Dew Pt.	Wind Speed	Wind Dir	Wind Run	Hi Speed	Hi Dir	Wind Chill	Heat Index	THW Index	Bar	Rain	Rain Rate	Heat D-D	Cool D-D	In Temp	In Hum	In Dew	In Heat	In EMC	In Air Density	Wind Samp	Wind Tx	ISS Recept	Arc. Int.
6/23/15	4:20a	64.8	64.9	64.8	98	64.2	4.0	ESE	0.33	6.0	ESE	64.8	66.0	66.0	------	0.00	0.00	0.001	0.000	75.4	72	65.7	77.3	13.53	13.53	117	1	100.0	5
6/23/15	4:25a	64.7	64.8	64.7	98	64.1	3.0	ESE	0.25	5.0	ESE	64.7	65.9	65.9	------	0.00	0.00	0.001	0.000	75.2	71	65.1	77.0	13.24	13.24	117	1	100.0	5
6/23/15	4:30a	64.7	64.7	64.7	98	64.1	0.0	SE	0.00	1.0	SE	64.7	65.9	65.9	------	0.00	0.00	0.001	0.000	75.2	72	65.6	77.1	13.54	13.54	118	1	100.0	5
6/23/15	4:35a	64.7	64.8	64.7	98	64.1	0.0	---	0.00	0.0	---	64.7	65.9	65.9	------	0.00	0.00	0.001	0.000	75.4	73	66.1	77.4	13.74	13.74	117	1	100.0	5
6/23/15	4:40a	64.5	64.7	64.5	98	63.9	1.0	ESE	0.08	4.0	ESE	64.5	65.7	65.7	------	0.00	0.00	0.002	0.000	75.4	72	65.7	77.3	13.53	13.53	117	1	100.0	5
6/23/15	4:45a	64.6	64.6	64.5	98	64.0	0.0	---	0.00	0.0	---	64.6	65.8	65.8	------	0.00	0.00	0.001	0.000	75.4	71	65.3	77.2	13.23	13.23	117	1	100.0	5
6/23/15	4:50a	64.5	64.6	64.5	98	63.9	0.0	E	0.00	5.0	ESE	64.5	65.7	65.7	------	0.00	0.00	0.002	0.000	75.2	72	65.6	77.1	13.54	13.54	117	1	100.0	5
6/23/15	4:55a	64.5	64.5	64.5	98	63.9	3.0	SE	0.25	6.0	SE	64.5	65.7	65.7	------	0.00	0.00	0.002	0.000	75.6	74	66.7	77.8	14.04	14.04	117	1	100.0	5
6/23/15	5:00a	64.4	64.5	64.4	98	63.8	4.0	ESE	0.33	7.0	ESE	64.4	65.5	65.5	------	0.00	0.00	0.002	0.000	75.6	72	65.9	77.6	13.51	13.51	114	1	100.0	5
6/23/15	5:05a	64.4	64.5	64.4	98	63.8	5.0	SE	0.42	7.0	ESE	64.4	65.5	65.5	------	0.00	0.00	0.002	0.000	75.6	71	65.5	77.5	13.23	13.23	117	1	100.0	5
6/23/15	5:10a	64.1	64.4	64.1	98	63.5	6.0	SE	0.50	9.0	ESE	64.1	65.2	65.2	------	0.00	0.00	0.003	0.000	75.4	72	65.7	77.3	13.53	13.53	117	1	100.0	5
6/23/15	5:15a	64.0	64.1	64.0	98	63.4	5.0	SE	0.42	8.0	SE	64.0	65.1	65.1	------	0.00	0.00	0.003	0.000	75.6	73	66.3	77.7	13.74	13.74	117	1	100.0	5
6/23/15	5:20a	64.0	64.1	64.0	99	63.7	4.0	SE	0.33	7.0	ESE	64.0	65.1	65.1	------	0.00	0.00	0.003	0.000	75.8	72	66.1	77.8	13.50	13.50	117	1	100.0	5
6/23/15	5:25a	64.0	64.0	64.0	99	63.7	6.0	SE	0.50	8.0	ESE	64.0	65.1	65.1	------	0.00	0.00	0.003	0.000	75.6	71	65.5	77.5	13.23	13.23	117	1	100.0	5
6/23/15	5:30a	63.9	64.0	63.9	99	63.6	6.0	SE	0.50	9.0	SE	63.9	65.0	65.0	------	0.00	0.00	0.004	0.000	75.4	71	65.3	77.2	13.23	13.23	117	1	100.0	5
6/23/15	5:35a	63.9	63.9	63.9	99	63.6	6.0	SE	0.50	8.0	SE	63.9	65.0	65.0	------	0.00	0.00	0.004	0.000	75.4	72	65.7	77.3	13.53	13.53	117	1	100.0	5
6/23/15	5:40a	64.0	64.0	63.9	99	63.7	5.0	SE	0.42	8.0	SE	64.0	65.1	65.1	------	0.00	0.00	0.003	0.000	75.6	73	66.3	77.7	13.74	13.74	118	1	100.0	5
6/23/15	5:45a	64.0	64.0	64.0	99	63.7	5.0	SE	0.42	7.0	SE	64.0	65.1	65.1	------	0.00	0.00	0.003	0.000	75.6	71	65.5	77.5	13.23	13.23	117	1	100.0	5
6/23/15	5:50a	64.1	64.1	64.0	99	63.8	5.0	SE	0.42	8.0	SE	64.1	65.2	65.2	------	0.00	0.00	0.003	0.000	75.4	71	65.3	77.2	13.23	13.23	117	1	100.0	5
6/23/15	5:55a	64.1	64.1	64.0	99	63.8	6.0	SE	0.50	8.0	SE	64.1	65.2	65.2	------	0.00	0.00	0.003	0.000	75.4	72	65.7	77.3	13.53	13.53	117	1	100.0	5
6/23/15	6:00a	64.2	64.2	64.1	99	63.9	5.0	SE	0.42	7.0	SE	64.2	65.3	65.3	------	0.00	0.00	0.003	0.000	75.6	74	66.7	77.8	14.04	14.04	113	1	99.1	5
6/23/15	6:05a	64.3	64.3	64.2	99	64.0	6.0	SE	0.50	9.0	ESE	64.3	65.4	65.4	------	0.00	0.00	0.002	0.000	75.8	72	66.1	77.8	13.50	13.50	117	1	100.0	5
6/23/15	6:10a	64.3	64.3	64.2	99	64.0	7.0	ESE	0.58	9.0	ESE	64.3	65.4	65.4	------	0.00	0.00	0.002	0.000	75.8	71	65.7	77.7	13.22	13.22	117	1	100.0	5
6/23/15	6:15a	64.5	64.5	64.3	99	64.2	7.0	ESE	0.58	9.0	ESE	64.5	65.7	65.7	------	0.00	0.00	0.002	0.000	75.6	71	65.5	77.5	13.23	13.23	117	1	100.0	5
6/23/15	6:20a	64.8	64.8	64.5	99	64.5	6.0	ESE	0.50	10.0	SE	64.8	66.0	66.0	------	0.00	0.00	0.001	0.000	75.8	72	66.1	77.8	13.50	13.50	117	1	100.0	5
6/23/15	6:25a	65.0	65.0	64.8	99	64.7	6.0	SE	0.50	10.0	SE	65.0	66.3	66.3	------	0.00	0.00	0.000	0.000	76.0	73	66.7	78.2	13.73	13.73	117	1	100.0	5
6/23/15	6:30a	65.2	65.2	65.0	99	64.9	6.0	SE	0.50	8.0	ESE	65.2	66.5	66.5	------	0.00	0.00	0.000	0.001	76.0	72	66.3	78.0	13.49	13.49	117	1	100.0	5
6/23/15	6:35a	65.4	65.4	65.2	99	65.1	6.0	SE	0.50	8.0	SE	65.4	66.8	66.8	------	0.00	0.00	0.000	0.001	75.8	71	65.7	77.7	13.22	13.22	117	1	100.0	5
6/23/15	6:40a	65.6	65.6	65.4	99	65.3	6.0	SE	0.50	9.0	ESE	65.6	67.0	67.0	------	0.00	0.00	0.000	0.002	75.8	72	66.1	77.8	13.50	13.50	117	1	100.0	5
6/23/15	6:45a	65.8	65.8	65.6	99	65.5	7.0	ESE	0.58	10.0	ESE	65.8	67.2	67.2	------	0.00	0.00	0.000	0.003	76.0	73	66.7	78.2	13.73	13.73	117	1	100.0	5
6/23/15	6:50a	66.3	66.3	65.9	99	66.0	9.0	ESE	0.75	11.0	ESE	65.0	67.9	66.6	------	0.00	0.00	0.000	0.005	76.2	72	66.5	78.3	13.48	13.48	118	1	100.0	5
6/23/15	6:55a	67.0	67.0	66.3	99	66.7	8.0	ESE	0.67	11.0	ESE	66.4	68.8	68.2	------	0.00	0.00	0.000	0.007	76.0	71	65.9	77.9	13.21	13.21	117	1	100.0	5
6/23/15	7:00a	67.8	67.8	67.0	98	67.2	7.0	ESE	0.58	10.0	SE	67.8	69.7	69.7	------	0.00	0.00	0.000	0.010	75.8	71	65.7	77.7	13.22	13.22	117	1	100.0	5
6/23/15	7:05a	68.5	68.5	67.8	97	67.6	8.0	ESE	0.67	12.0	SE	67.8	70.7	70.0	------	0.00	0.00	0.000	0.012	75.8	71	65.7	77.7	13.22	13.22	117	1	100.0	5
6/23/15	7:10a	69.2	69.2	68.5	97	68.3	7.0	ESE	0.58	11.0	ESE	69.2	71.8	71.8	------	0.00	0.00	0.000	0.015	76.0	72	66.3	78.0	13.49	13.49	117	1	100.0	5
6/23/15	7:15a	69.5	69.5	69.2	95	68.0	7.0	ESE	0.58	10.0	ESE	69.5	71.9	71.9	------	0.00	0.00	0.000	0.016	76.2	72	66.5	78.3	13.48	13.48	117	1	100.0	5
6/23/15	7:20a	69.6	69.6	69.5	95	68.1	6.0	ESE	0.50	9.0	ESE	69.6	72.0	72.0	------	0.00	0.00	0.000	0.016	76.2	71	66.1	78.1	13.20	13.20	117	1	100.0	5
6/23/15	7:25a	69.7	69.7	69.6	94	67.9	6.0	ESE	0.50	9.0	E	69.7	72.1	72.1	------	0.00	0.00	0.000	0.016	76.2	71	66.1	78.1	13.20	13.20	117	1	100.0	5
6/23/15	7:30a	70.0	70.0	69.7	94	68.2	6.0	ESE	0.50	10.0	ESE	70.0	72.4	72.4	------	0.00	0.00	0.000	0.017	76.0	71	65.9	77.9	13.21	13.21	113	1	99.1	5
6/23/15	7:35a	70.5	70.5	70.0	93	68.4	7.0	ESE	0.58	9.0	ESE	70.5	72.9	72.9	------	0.00	0.00	0.000	0.019	76.2	73	66.9	78.4	13.73	13.73	106	1	93.0	5
6/23/15	7:40a	70.8	70.8	70.5	93	68.7	7.0	ESE	0.58	9.0	ESE	70.8	73.3	73.3	------	0.00	0.00	0.000	0.020	76.3	73	67.0	78.5	13.72	13.72	117	1	100.0	5
6/23/15	7:45a	71.5	71.5	70.9	93	69.4	7.0	ESE	0.58	10.0	ESE	71.5	74.0	74.0	------	0.00	0.00	0.000	0.023	76.3	72	66.6	78.4	13.47	13.47	117	1	100.0	5
6/23/15	7:50a	72.1	72.1	71.5	92	69.6	8.0	ESE	0.67	12.0	ESE	71.6	74.6	74.1	------	0.00	0.00	0.000	0.025	76.3	71	66.2	78.3	13.20	13.20	117	1	100.0	5
6/23/15	7:55a	72.1	72.2	72.1	91	69.3	9.0	ESE	0.75	13.0	ESE	70.7	74.4	73.0	------	0.00	0.00	0.000	0.025	76.2	72	66.5	78.3	13.48	13.48	117	1	100.0	5
6/23/15	8:00a	71.9	72.1	71.9	91	69.1	9.0	SE	0.75	12.0	ESE	70.5	74.2	72.8	------	0.00	0.00	0.000	0.024	76.3	73	67.0	78.5	13.72	13.72	118	1	100.0	5
6/23/15	8:05a	72.0	72.0	71.9	92	69.5	9.0	ESE	0.75	13.0	ESE	70.6	74.4	73.0	------	0.00	0.00	0.000	0.024	76.3	73	67.0	78.5	13.72	13.72	117	1	100.0	5
6/23/15	8:10a	72.2	72.2	72.0	92	69.7	10.0	ESE	0.83	14.0	ESE	70.1	74.7	72.6	------	0.00	0.00	0.000	0.025	76.3	72	66.6	78.4	13.47	13.47	117	1	100.0	5
6/23/15	8:15a	72.6	72.6	72.2	91	69.8	8.0	SE	0.67	12.0	SE	72.1	75.1	74.6	------	0.00	0.00	0.000	0.026	76.2	72	66.5	78.3	13.48	13.48	117	1	100.0	5
6/23/15	8:20a	72.9	72.9	72.5	91	70.1	8.0	ESE	0.67	11.0	ESE	72.4	75.4	74.9	------	0.00	0.00	0.000	0.027	76.0	72	66.3	78.0	13.49	13.49	117	1	100.0	5
6/23/15	8:25a	73.2	73.2	72.9	91	70.4	7.0	SE	0.58	11.0	ESE	73.2	75.8	75.8	------	0.00	0.00	0.000	0.028	76.0	73	66.7	78.2	13.73	13.73	117	1	100.0	5
6/23/25	8:30a	73.6	73.6	73.2	91	70.8	7.0	ESE	0.58	11.0	SE	73.6	76.1	76.1	------	0.00	0.00	0.000	0.030	76.2	74	67.3	78.5	14.03	14.03	113	1	99.1	5

VEOLIA

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

Re: odor complaint 23jun15

1 message

Batorski, John <john.batorski@veolia.com> 23 June 2015 at 13:15
To: Denise Figueroa <deefig@gmail.com>, "James R. Stewart PE" <jstewart@naugatuck-ct.gov>
Cc: "deep.aircomplaints@ct.gov" <deep.aircomplaints@ct.gov>, "carmencita.wilson@ct.gov" <carmencita.wilson@ct.gov>, "wzirolli@naugatuck-ct.gov" <wzirolli@naugatuck-ct.gov>, Bob Mezzo <bmezzo@naugatuck-ct.gov>, "seng.phouthakoun@ct.gov" <seng.phouthakoun@ct.gov>

We apologize for the odor complaint and thank you for reporting it - we do investigate each one. I did observe a very slight odor around ~6:10 AM when I drove into the plant (please understand I am not dismissing your description of the odor). We started walking up Cherry Street toward your address on Cherry Street by 6:15 AM. There was a slight breeze around 6:20 AM and the odor was no longer detected. The wind at this location was ~0 to 5 MPH from east south east and southeast around 6 AM and we suspect it was a truck related odor as it correlates with the wind direction. There were no plant upsets at that time nor did we detect any plant related odors.

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

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

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On 23 June 2015 at 05:59, Denise Figueroa <deefig@gmail.com> wrote:

> The odor of sewage on Cherry Street Extension today is strong. Noticed it at about 05:30am, still smelled at 6:00am.
>
> Please feel free to contact me with any questions you may have,
>
> Denise Figueroa
> deefig@gmail.com
> 203-518-2414
> 326 Cherry St. Ext.
> Naugatuck, CT 06770

ODOR COMPLAINT REPORT

CALLER INFORMATION: DATE: 6-25-15 TIME: 7:34 PM

CALL TAKEN BY: Email to J. Batorski

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

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

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

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

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

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

ODOR INVESTIGATION:

(FROM CONTROL ROOM WEATHER STATION)

WIND DIRECTION: SE WIND SPEED: 3.0 WEATHER: TEMP 74.5 RAIN 0 HUMID >3 DRY ___ UNSEASONABLY WARM/COLD seasonable

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

It was found that both pH and ORP probes reading incorrectly, failed calibration. New probes installed 6/26/15 by S&N

ODOR CONTROL EQUIPMENT STATUS:

PRIMARY SCRUBBER: ON ✓ OFF ___ PH 8.50 ORP 864 MAKE UP WATER: 0.5-1 GPM ✓ SPRAYS ✓

FILTER BLDG SCRUBBER: ON ✓ OFF ___ PH 6.36 ORP 871 MAKE UP WATER: 1-3 GPM ✓ SPRAYS ✓

PERMANGANATE FEEDERS:

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

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

ODOR COUNTERACTANT SYSTEM: ON ✓ OFF ___ VERIFIED OPERATIONAL: YES ✓ SPRAYS ✓

COMPLAINT REVIEWED BY: John Batorski DATE: 6-26-15 TIME: ~ 7 AM

RETURN CALL MADE BY: via email – DATE: ___ TIME: ___

RETURN CALL RESULTS:

Please see attached email response.

63011rev1

VEOLIA

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

Re: odor complaint 23jun15

1 message

Batorski, John <john.batorski@veolia.com> 26 June 2015 at 08:26
To: Denise Figueroa <deefig@gmail.com>
Cc: "James R. Stewart PE" <jstewart@naugatuck-ct.gov>, "deep.aircomplaints@ct.gov" <deep.aircomplaints@ct.gov>, "carmencita.wilson@ct.gov" <carmencita.wilson@ct.gov>, "wzirolli@naugatuck-ct.gov" <wzirolli@naugatuck-ct.gov>, Bob Mezzo <bmezzo@naugatuck-ct.gov>, "seng.phouthakoun@ct.gov" <seng.phouthakoun@ct.gov>

Good Morning,

An investigation of your odor complaint from last evening revealed a mechanical failure of a measuring probe. While these failures are rare, they do happen. We have reviewed this failure with the staff and appropriate actions that should have been immediately followed. The probes were replaced and calibrated accordingly. Once again, we apologize for the odor. Our goal is zero complaints.

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

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

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On 25 June 2015 at 19:34, Denise Figueroa <deefig@gmail.com> wrote:

> I can only assume the must be another "truck issue" as the odor is so bad we had to close our windows when we got home from work today. It seems to be getting worse now. Such a shame that it is happening again.
> Denise Figueroa
>
> On Jun 23, 2015, at 13:15, Batorski, John <john.batorski@veolia.com> wrote:
>
>> We apologize for the odor complaint and thank you for reporting it - we do investigate each one. I did observe a very slight odor around ~6:10 AM when I drove into the plant (please understand I am not dismissing your description of the odor). We started walking up Cherry Street toward your address on Cherry Street by 6:15 AM. There was a slight breeze around 6:20 AM and the odor was no longer detected. The wind at this location was ~0 to 5 MPH from east south east and southeast around 6 AM and we suspect it was a truck related odor as it correlates with the wind direction. There were no plant upsets at that time nor did we detect any plant related odors.
>>
>> **John Batorski**
>> *Plant Manager - Northeast LLC*
>> *Municipal & Commercial Business*
>> ***VEOLIA NORTH AMERICA***
>>
>> tel +1 203 723 1433 / cell +1 203 509 6010
>> 500 Cherry Street / Naugatuck, CT 06770

WeatherLink 6.0.0 07/24/15 10:00a admin - [Browse Records]

File Setup Reports Browse Window Help

Date	Time	Temp Out	Hi Temp	Low Temp	Out Hum	Dew Pt.	Wind Speed	Wind Dir	Wind Run	Hi Speed	Hi Dir	Wind Chill	Heat Index	THW Index	Bar	Rain	Rain Rate	Heat D-D	Cool D-D	In Temp	In Hum	In Dew	In Heat	In EMC	In Air Density	Wind Samp	Wind Tx	ISS Recept	Arc. Int.
6/25/15	6:20p	78.4	78.4	78.3	73	69.0	0.0	SE	0.00	1.0	ESE	78.4	80.9	80.9	------	0.00	0.00	0.000	0.047	72.9	74	64.1	74.3	14.13	14.13	117	1	100.0	5
6/25/15	6:25p	78.5	78.5	78.4	73	69.1	0.0	SE	0.00	2.0	ESE	78.5	81.0	81.0	------	0.00	0.00	0.000	0.047	72.9	73	63.7	74.2	13.83	13.83	117	1	100.0	5
6/25/15	6:30p	78.5	78.5	78.5	73	69.1	0.0	---	0.00	0.0	---	78.5	81.0	81.0	------	0.00	0.00	0.000	0.047	72.9	73	63.7	74.2	13.83	13.83	117	1	100.0	5
6/25/15	6:35p	78.2	78.5	78.2	72	68.4	1.0	SE	0.08	4.0	SE	78.2	80.5	80.5	------	0.00	0.00	0.000	0.046	72.9	73	63.7	74.2	13.83	13.83	117	1	100.0	5
6/25/15	6:40p	77.6	78.2	77.6	74	68.7	3.0	SE	0.25	6.0	SE	77.6	80.0	80.0	------	0.00	0.00	0.000	0.044	72.9	73	63.7	74.2	13.83	13.83	117	1	100.0	5
6/25/15	6:45p	76.7	77.5	76.7	72	67.0	5.0	SE	0.42	10.0	SE	76.7	78.8	78.8	------	0.00	0.00	0.000	0.041	72.9	74	64.1	74.3	14.13	14.13	117	1	100.0	5
6/25/15	6:50p	76.0	76.6	76.0	71	65.9	5.0	SE	0.42	8.0	SSE	76.0	77.9	77.9	------	0.00	0.00	0.000	0.039	73.1	75	64.7	74.6	14.39	14.39	113	1	99.1	5
6/25/15	6:55p	75.8	76.0	75.8	72	66.1	3.0	SE	0.25	6.0	SE	75.8	77.8	77.8	------	0.00	0.00	0.000	0.038	73.1	75	64.7	74.6	14.39	14.39	118	1	100.0	5
6/25/15	7:00p	75.4	75.7	75.4	74	66.5	3.0	SE	0.25	6.0	SE	75.4	77.5	77.5	------	0.00	0.00	0.000	0.036	73.1	74	64.3	74.6	14.13	14.13	117	1	100.0	5
6/25/15	7:05p	75.2	75.4	75.2	74	66.3	2.0	SE	0.17	6.0	SE	75.2	77.3	77.3	------	0.00	0.00	0.000	0.035	72.9	74	64.1	74.3	14.13	14.13	117	1	100.0	5
6/25/15	7:10p	75.1	75.2	75.1	75	66.6	2.0	SE	0.17	5.0	SE	75.1	77.2	77.2	------	0.00	0.00	0.000	0.035	72.7	74	63.9	74.0	14.14	14.14	117	1	100.0	5
6/25/15	7:15p	75.0	75.1	75.0	75	66.5	2.0	SE	0.17	5.0	SE	75.0	77.1	77.1	------	0.00	0.00	0.000	0.035	72.7	73	63.5	73.9	13.84	13.84	117	1	100.0	5
6/25/15	7:20p	74.9	75.1	74.9	72	65.3	3.0	SE	0.25	6.0	SSE	74.9	76.7	76.7	------	0.00	0.00	0.000	0.034	72.7	73	63.5	73.9	13.84	13.84	117	1	100.0	5
6/25/15	7:25p	74.6	74.9	74.6	74	65.8	4.0	ESE	0.33	7.0	ESE	74.6	76.5	76.5	------	0.00	0.00	0.000	0.033	72.9	74	64.1	74.3	14.13	14.13	117	1	100.0	5
6/25/15	7:30p	74.5	74.6	74.5	73	65.3	3.0	SE	0.25	7.0	SE	74.5	76.4	76.4	------	0.00	0.00	0.000	0.033	73.1	75	64.7	74.6	14.39	14.39	117	1	100.0	5
6/25/15	7:35p	74.5	74.5	74.5	75	66.1	2.0	SE	0.17	6.0	E	74.5	76.5	76.5	------	0.00	0.00	0.000	0.033	73.3	74	64.5	74.0	14.12	14.12	117	1	100.0	5
6/25/15	7:40p	74.4	74.5	74.4	75	66.0	1.0	SE	0.08	5.0	ESE	74.4	76.4	76.4	------	0.00	0.00	0.000	0.033	73.1	73	63.9	74.5	13.83	13.83	117	1	100.0	5
6/25/15	7:45p	74.4	74.5	74.4	73	65.2	2.0	ESE	0.17	5.0	ESE	74.4	76.2	76.2	------	0.00	0.00	0.000	0.033	73.1	73	63.9	74.5	13.83	13.83	117	1	100.0	5
6/25/15	7:50p	74.2	74.4	74.2	73	65.0	3.0	SE	0.25	6.0	ESE	74.2	76.0	76.0	------	0.00	0.00	0.000	0.032	72.9	73	63.7	74.2	13.83	13.83	113	1	99.1	5
6/25/15	7:55p	74.0	74.2	74.0	71	64.0	3.0	SE	0.25	6.0	ESE	74.0	75.7	75.7	------	0.00	0.00	0.000	0.031	72.7	73	63.5	73.9	13.84	13.84	117	1	100.0	5
6/25/15	8:00p	73.8	74.0	73.8	72	64.2	3.0	ESE	0.25	6.0	ESE	73.8	75.4	75.4	------	0.00	0.00	0.000	0.031	72.7	74	63.9	74.0	14.14	14.14	117	1	100.0	5
6/25/15	8:05p	73.8	73.8	73.8	71	63.8	4.0	ESE	0.33	7.0	ESE	73.8	75.4	75.4	------	0.00	0.00	0.000	0.031	73.1	74	64.3	74.6	14.13	14.13	118	1	100.0	5
6/25/15	8:10p	73.9	73.9	73.8	73	64.7	3.0	ESE	0.25	6.0	ESE	73.9	75.6	75.6	------	0.00	0.00	0.000	0.031	73.1	73	63.9	74.5	13.83	13.83	117	1	100.0	5
6/25/15	8:15p	73.7	73.9	73.7	71	63.7	2.0	ESE	0.17	5.0	ESE	73.7	75.2	75.2	------	0.00	0.00	0.000	0.030	73.1	73	63.9	74.5	13.83	13.83	117	1	100.0	5
6/25/15	8:20p	73.6	73.8	73.6	72	64.0	1.0	ESE	0.08	3.0	ESE	73.6	75.1	75.1	------	0.00	0.00	0.000	0.030	72.9	72	63.3	74.1	13.63	13.63	117	1	100.0	5
6/25/15	8:25p	73.6	73.6	73.5	72	64.0	1.0	ESE	0.08	4.0	ESE	73.6	75.1	75.1	------	0.00	0.00	0.000	0.030	72.9	72	63.3	74.1	13.63	13.63	117	1	100.0	5
6/25/15	8:30p	73.7	73.7	73.6	71	63.7	1.0	ESE	0.08	5.0	ESE	73.7	75.2	75.2	------	0.00	0.00	0.000	0.030	72.7	72	63.1	73.8	13.64	13.64	117	1	100.0	5
6/25/15	8:35p	73.5	73.7	73.5	73	64.3	2.0	ESE	0.17	5.0	ESE	73.5	75.1	75.1	------	0.00	0.00	0.000	0.030	72.7	73	63.5	73.9	13.84	13.84	117	1	100.0	5
6/25/15	8:40p	73.4	73.5	73.3	73	64.2	2.0	ESE	0.17	5.0	ESE	73.4	74.9	74.9	------	0.00	0.00	0.000	0.029	72.9	74	64.1	74.3	14.13	14.13	117	1	100.0	5
6/25/15	8:45p	73.3	73.4	73.3	71	63.3	2.0	ESE	0.17	5.0	ESE	73.3	74.6	74.6	------	0.00	0.00	0.000	0.029	73.1	73	63.9	74.5	13.83	13.83	117	1	100.0	5
6/25/15	8:50p	73.2	73.3	73.2	71	63.2	2.0	ESE	0.17	5.0	ESE	73.2	74.5	74.5	------	0.00	0.00	0.000	0.028	73.1	73	63.9	74.5	13.83	13.83	113	1	99.1	5
6/25/15	8:55p	73.0	73.1	73.0	71	63.0	2.0	ESE	0.17	6.0	ESE	73.0	74.2	74.2	------	0.00	0.00	0.000	0.028	72.9	72	63.3	74.1	13.63	13.63	117	1	100.0	5
6/25/15	9:00p	72.8	73.0	72.8	71	62.8	3.0	ESE	0.25	6.0	ESE	72.8	73.9	73.9	------	0.00	0.00	0.000	0.027	72.7	72	63.1	73.8	13.64	13.64	117	1	100.0	5
6/25/15	9:05p	72.8	72.9	72.8	73	63.6	2.0	ESE	0.17	5.0	E	72.8	74.0	74.0	------	0.00	0.00	0.000	0.027	72.7	72	63.1	73.8	13.64	13.64	117	1	100.0	5
6/25/15	9:10p	72.7	72.9	72.7	70	62.3	4.0	ESE	0.33	7.0	ESE	72.7	73.7	73.7	------	0.00	0.00	0.000	0.027	72.7	73	63.5	73.9	13.84	13.84	117	1	100.0	5
6/25/15	9:15p	72.4	72.6	72.4	72	62.9	4.0	ESE	0.33	6.0	ESE	72.4	73.4	73.4	------	0.00	0.00	0.000	0.026	72.9	74	64.1	74.3	14.13	14.13	118	1	100.0	5
6/25/15	9:20p	72.4	72.4	72.3	73	63.3	0.0	SE	0.00	2.0	ESE	72.4	73.5	73.5	------	0.00	0.00	0.000	0.026	73.1	73	63.9	74.5	13.83	13.83	117	1	100.0	5
6/25/15	9:25p	72.4	72.4	72.3	75	64.0	0.0	---	0.00	0.0	---	72.4	73.6	73.6	------	0.00	0.00	0.000	0.026	73.1	73	63.9	74.5	13.83	13.83	117	1	100.0	5
6/25/15	9:30p	72.2	72.4	72.2	72	62.7	1.0	ESE	0.08	4.0	ESE	72.2	73.1	73.1	------	0.00	0.00	0.000	0.025	72.9	73	63.7	74.2	13.83	13.83	117	1	100.0	5
6/25/15	9:35p	71.9	72.2	71.9	72	62.4	5.0	SE	0.42	8.0	ESE	71.9	72.7	72.7	------	0.00	0.00	0.000	0.024	72.7	72	63.1	73.8	13.64	13.64	117	1	100.0	5
6/25/15	9:40p	71.6	71.9	71.6	73	62.5	4.0	SE	0.33	6.0	SE	71.6	72.4	72.4	------	0.00	0.00	0.000	0.023	72.7	72	63.1	73.8	13.64	13.64	117	1	100.0	5
6/25/15	9:45p	71.3	71.6	71.3	74	62.6	3.0	SE	0.25	6.0	SSE	71.3	72.1	72.1	------	0.00	0.00	0.000	0.022	72.7	73	63.5	73.9	13.84	13.84	117	1	100.0	5
6/25/15	9:50p	70.9	71.2	70.9	76	63.0	3.0	SE	0.25	6.0	SSE	70.9	71.8	71.8	------	0.00	0.00	0.000	0.020	72.9	75	64.5	74.4	14.39	14.39	113	1	99.1	5
6/25/15	9:55p	70.8	70.9	70.8	77	63.2	1.0	SE	0.08	5.0	SE	70.8	71.8	71.8	------	0.00	0.00	0.000	0.020	73.1	73	63.9	74.5	13.83	13.83	117	1	100.0	5
6/25/15	10:00p	70.8	70.8	70.8	75	62.5	0.0	SE	0.00	2.0	SE	70.8	71.6	71.6	------	0.00	0.00	0.000	0.020	73.1	73	63.9	74.5	13.83	13.83	117	1	100.0	5
6/25/15	10:05p	70.6	70.8	70.6	76	62.7	1.0	ESE	0.08	4.0	ESE	70.6	71.4	71.4	------	0.00	0.00	0.000	0.019	72.9	72	63.3	74.1	13.63	13.63	117	1	100.0	5
6/25/15	10:10p	70.4	70.6	70.4	79	63.6	0.0	---	0.00	0.0	---	70.4	71.5	71.5	------	0.00	0.00	0.000	0.019	72.7	72	63.1	73.8	13.64	13.64	117	1	100.0	5
6/25/15	10:15p	70.2	70.4	70.2	79	63.4	0.0	---	0.00	0.0	---	70.2	71.2	71.2	------	0.00	0.00	0.000	0.018	72.6	72	63.1	73.7	13.65	13.65	117	1	100.0	5
6/25/15	10:20p	70.2	70.2	70.2	80	63.7	0.0	---	0.00	0.0	---	70.2	71.3	71.3	------	0.00	0.00	0.000	0.018	72.7	74	63.9	74.0	14.14	14.14	117	1	100.0	5
6/25/15	10:25p	70.2	70.2	70.1	79	63.4	0.0	WNW	0.00	4.0	WNW	70.2	71.2	71.2	------	0.00	0.00	0.000	0.018	73.1	73	63.9	74.5	13.83	13.83	118	1	100.0	5
6/25/15	10:30p	70.1	70.2	70.1	79	63.3	0.0	---	0.00	0.0	---	70.1	71.1	71.1	------	0.01	0.00	0.000	0.018	73.1	72	63.5	74.4	13.63	13.63	117	1	100.0	5

ing sweet

JIM SHANNON REPUBLICAN-AMERICAN

old daughter, Lucia, enjoy a strawberry shortcake dur-
Festival on Saturday at the First Congregational Church
he festival goes back into church ministries. As well as
arate raffle with $8,000 worth of donated items with all
Food Pantry. Andrea grew up in Cheshire but now lives
family.

Naugatuck considers future for sewer plant

Current contract expires in 2022

BY PAUL SINGLEY
REPUBLICAN-AMERICAN

NAUGATUCK — The borough is considering several options to treat its sewage beyond 2022.

That is when Naugatuck's contract with Veolia Water, the private company that oversees the borough's sewage treatment plant, will expire.

"Seven years seems like a long way away, but this is an operation that is going to take a couple of years to change, so we need to start thinking about it now," Mayor Bob Mezzo said.

The 20-year contract with Veolia, which was signed 13 years ago, states the company will oversee day-to-day operations at the plant until Aug. 15, 2022. The contract has a profit-sharing agreement that states Naugatuck will receive a portion of the revenue Veolia brings in from treating merchant sludge. In this fiscal year, which ends June 30, Veolia will provide the borough with $2.1 million, which is $929,508 less than it did last year.

See **SEWAGE**, *Page* **9B**

's top teacher helps kids soar

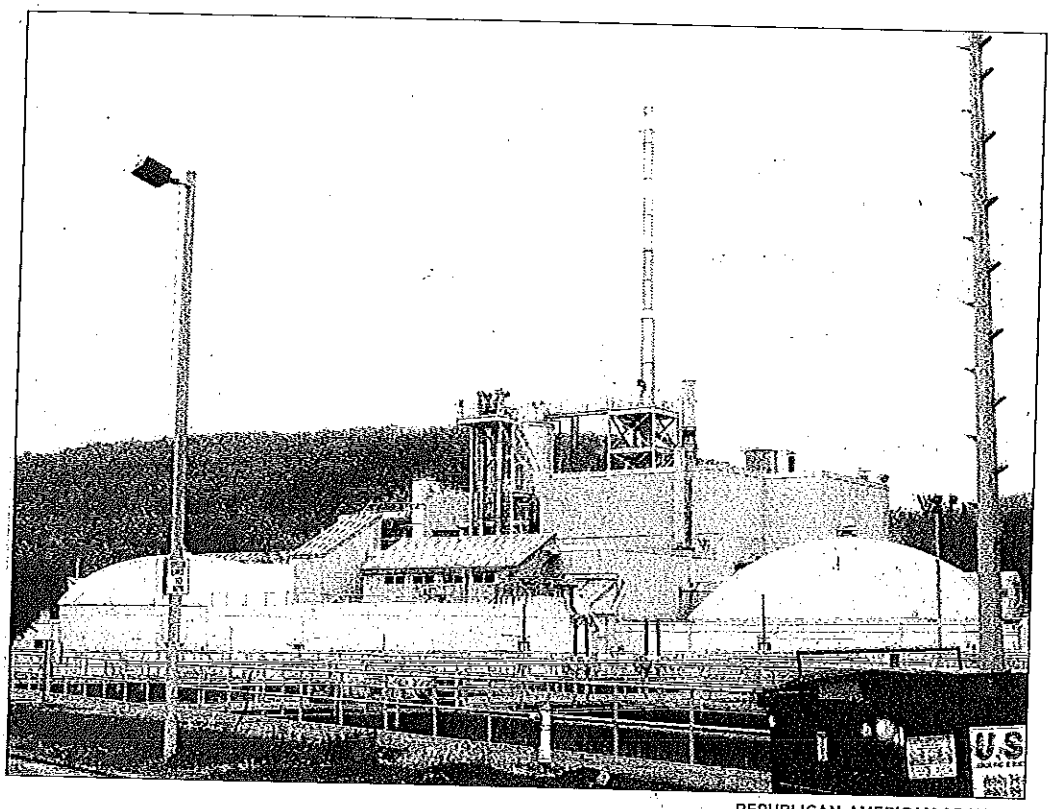
SEWAGE: Borough says revenue is down

Naugatuck was not anticipating that loss and it affected the budget proposal for 2015-16.

Currently, the borough is involved in complex litigation with Veolia.

Naugatuck filed a lawsuit in 2013 claiming that Veolia improperly calculated its revenue by deducting the cost of trucking in private sludge that it burns at the plant's incinerator.

Naugatuck claims that was not part of the revenue sharing plan.



REPUBLICAN-AMERICAN ARCHIVES

Naugatuck's sewage treatment facility at 500 Cherry St. is operated by Veolia Water North America.

NAUGATUCK PICKED UP on the apparent miscalculation about four years ago. Borough officials anticipate Veolia's miscalculations have cost Naugatuck about $7 million to date, and that by the end of the contract it would be as high as $20 million.

The borough is asking the court to intervene.

Veolia has denied Naugatuck's claims and states that it has a different interpretation of the contract.

The company has filed a counterclaim stating the borough did not pay insurance as it was supposed to under the contract.

The company also claims there was a substantial change in the market caused its profit margin to shrink.

The two sides have met with a mediator but the case has not been solved. At this point, it appears the case may be headed to trial.

Borough attorney Edward "Ned" Fitzpatrick said Naugatuck's claim speaks for itself and that he could not comment on pending litigation.

Karole Colangelo, vice president of communications for Veolia North America, said "the company is vested in providing safe, compliant and efficient wastewater treatment services and incinerator operations for the Borough of Naugatuck. And, we have done so for 14 years."

"It is normal practice in public private partnerships for a city to review alternatives near the end of the partnership term to ensure the best value within the market," she said. "We believe the Borough and ratepayers have received and continue to receive high value from our partnership — including investment, technical know-how and operational expertise which has maximized the effectiveness of the Borough's infrastructure."

THE AGREEMENT with Veolia has not produced the kind of revenue that was initially anticipated when the contract was drafted.

Mezzo said municipally run facilities are able to attract larger private customers at a lower rate.

"In a typical municipal sewage facility, they pass along the cost to the ratepayer, and they've been able to undercut the market for a lot of the private business that Veolia was anticipating and that the borough's consultants anticipated would truck sludge to the Naugatuck plant when (the contract) was originally negotiated," he said.

When the contract expires, Naugatuck is looking at possibly bringing a more traditional approach to treating wastewater.

"Obviously, we can't shut off the pipes," Mezzo said. "The water needs to go somewhere. But that doesn't mean the borough has to be a party involved in ownership for the operation."

For example, recently the city of New Haven took over ownership of Stratford's sewage treatment plant.

Currently, all sewer charges for Naugatuck users are paid through the general budget. Most other communities have a separate sewer authority.

Any change to the process may entail implementing a sewer user fee in lieu of having it as part of the general budget. Mezzo has been opposed to this.

Accused killers set to go to trial for 2012 crime

BY BRIGITTE RUTHMAN
REPUBLICAN-AMERICAN

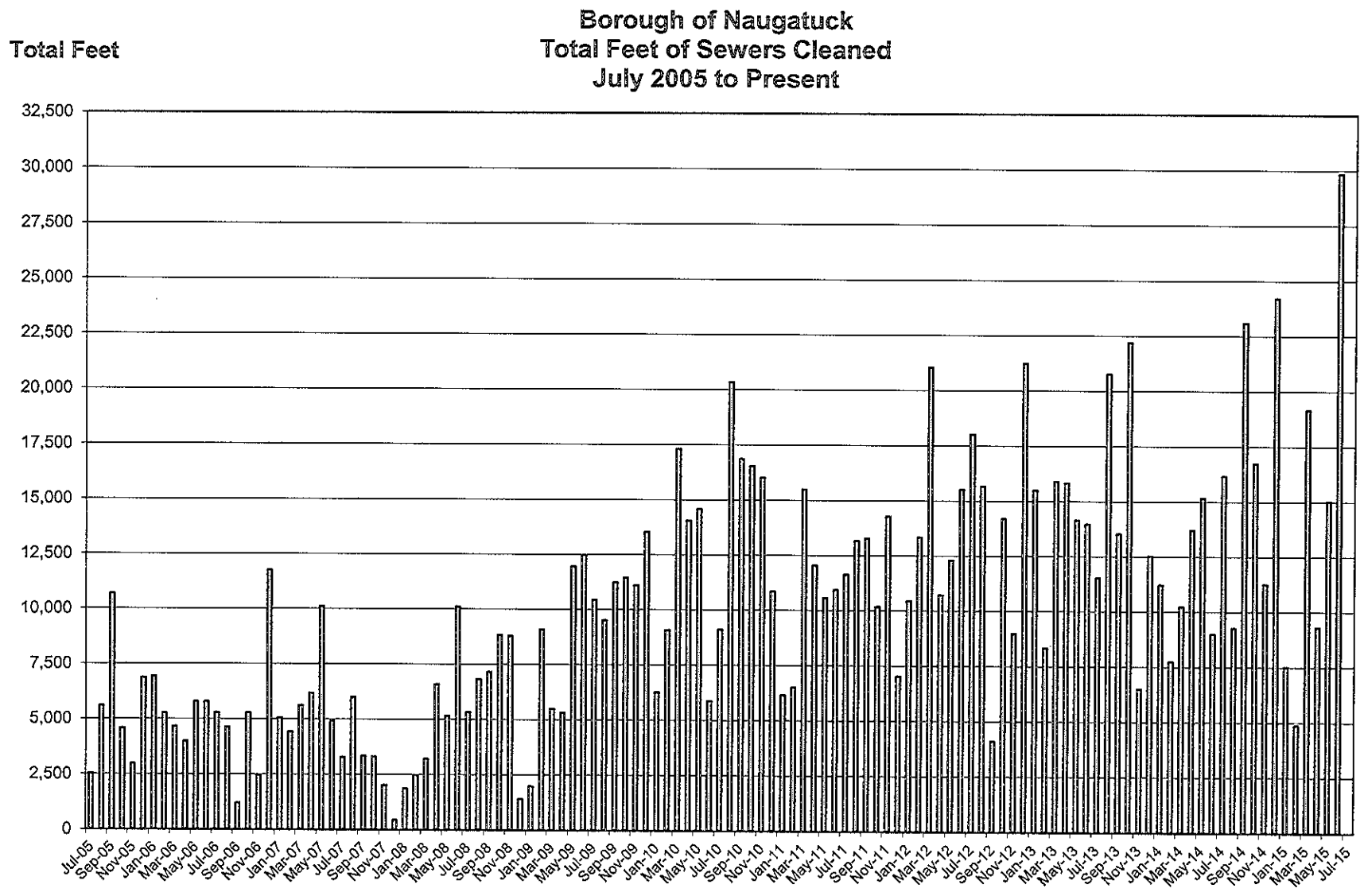
LITCHFIELD — Three years after Luke Vitalis was

money" and it involved "robbing Luke."

Calabrese told police Niraj wanted him and Hiral to go inside the house, flash their

and a cellphone have not been found despite nine detailed police searches.

Police said Niraj Patel switched cars and drove


Borough of Naugatuck
Total Feet of Sewers Cleaned
July 2005 to Present
Total Feet
32,500
30,000
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
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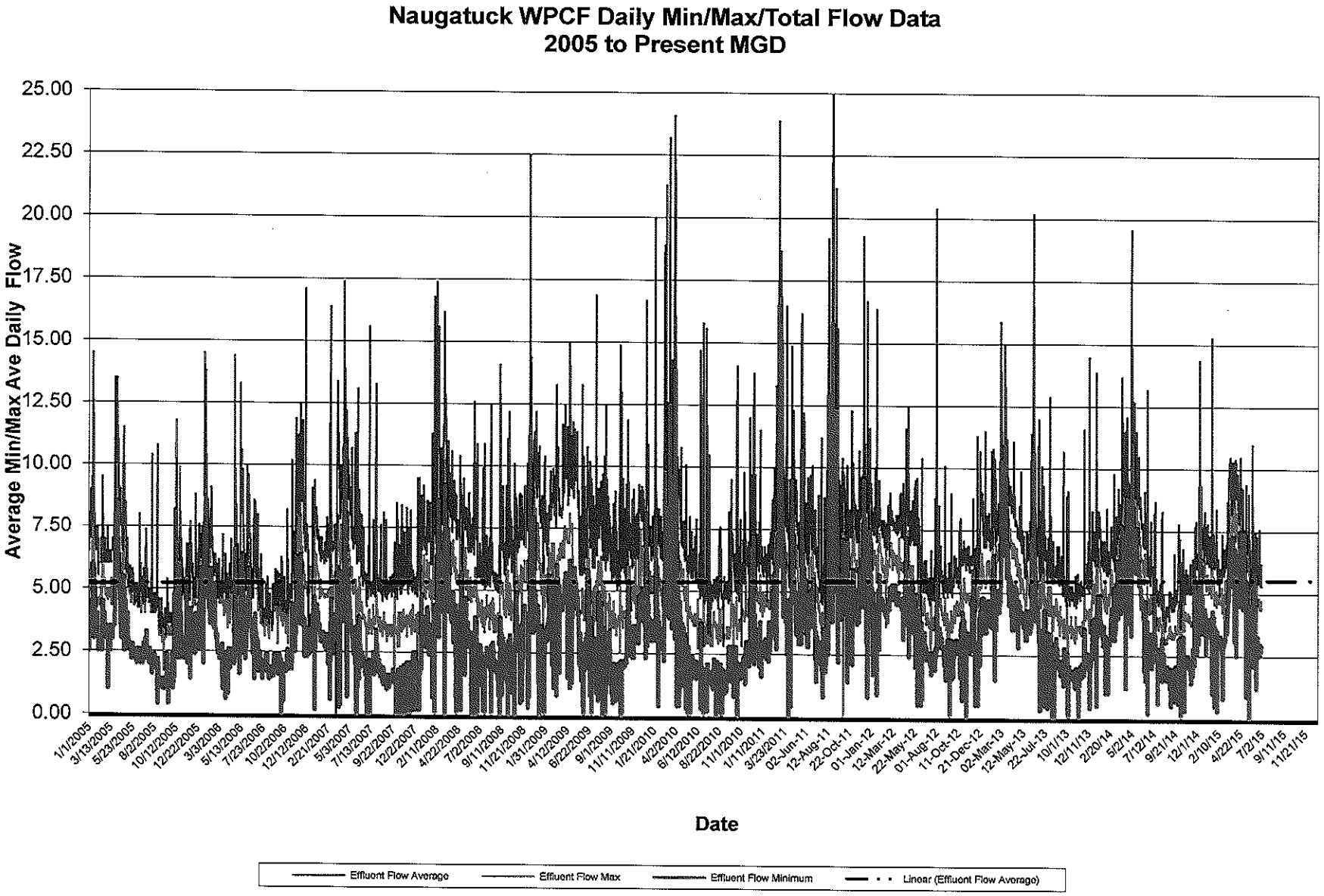
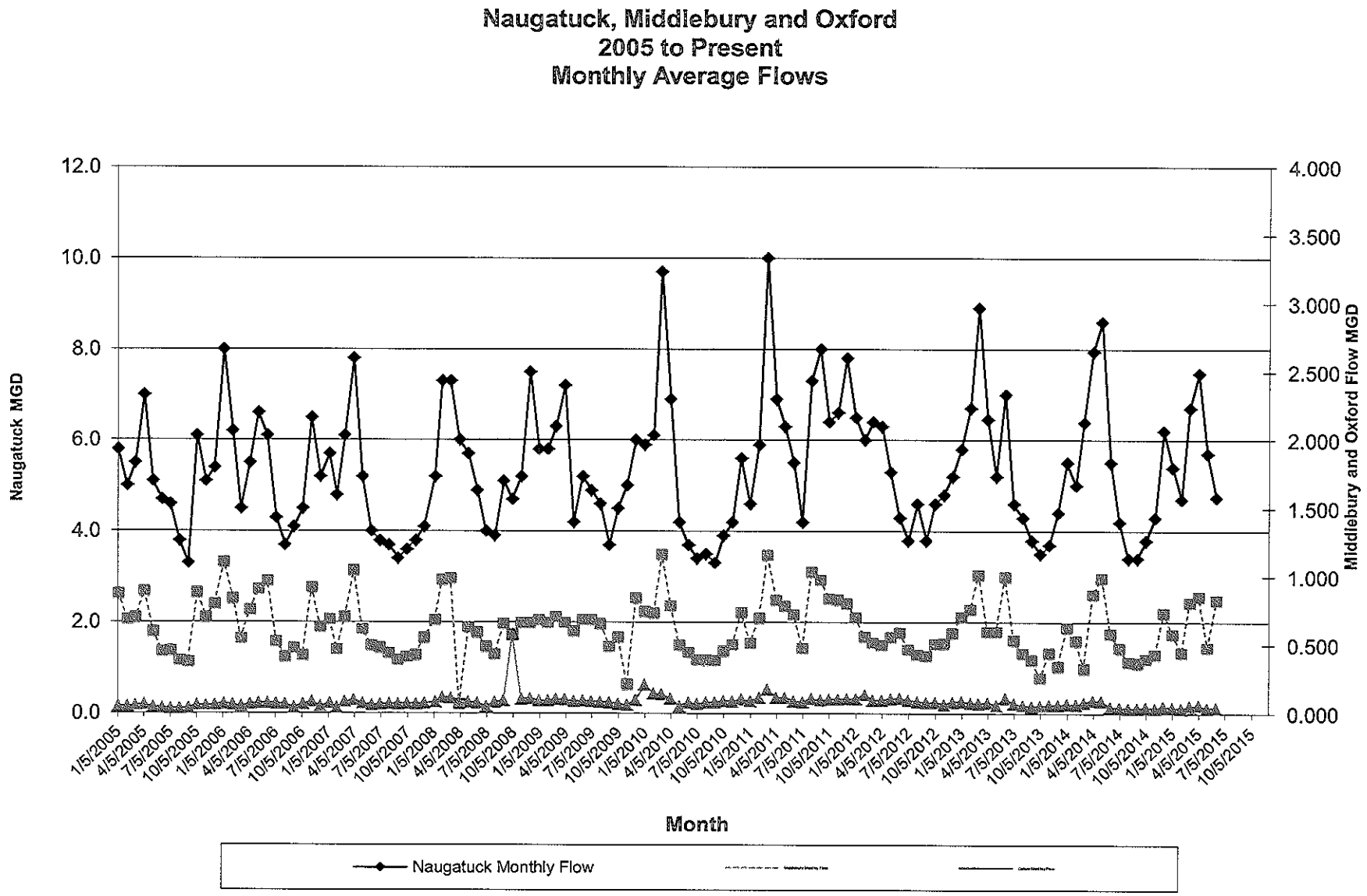

Naugatuck WPCF Daily Min/Max/Total Flow Data
2005 to Present MGD
Average Min/Max Ave Daily Flow
25.00
22.50
20.00
17.50
15.00
12.50
10.00
7.50
5.00
2.50
0.00
1/1/2005
3/13/2005
5/23/2005
8/2/2005
10/12/2005
12/22/2005
3/3/2006
5/13/2006
7/23/2006
10/2/2006
12/12/2006
2/21/2007
5/3/2007
7/13/2007
9/22/2007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


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

The odor of sewage on Cherry Street Extension today is strong. Noticed it at about 05:30an[redacted] still smelled at 6:00am.

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

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Naugatuck, CT 06770