Borough of Naugatuck
Water Pollution Control Facility
Monthly Operating Report
November 2013

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VEOLIA
WATER

December 6, 2013

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

Re: **November 2013 Monthly Operating Report**

Dear Mr. Merancy:

Enclosed please find Veolia Water's Monthly Operating Report for the month of November 2013.

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, James R. Stewart PE, LS, Director of Public Works, Borough of Naugatuck, Kathleen Luvisi, Senior Environmental Engineer, Alternative Resources, Inc.

(enclosure)

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

Borough of Naugatuck
Monthly WPCF Report November 2013

This report summarizes the activities at the Borough POTW for November 2013:

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.	-	269
Effluent Avg.	30	5
Removal Efficiency	85%	98%
Plant Process Data*	**Limit**	**Actual**
Carbonaceous BOD		
Influent Avg.	-	233
Effluent Avg.	30	4
Removal Efficiency	85%	98%

Discharge Permit Exceedance: None

	Naugatuck	Middlebury	Oxford	OTR
Nov. Flow Avg. (MGD)	3.7	0.443	N/A	N/A
Sludge Liquid Total (MGal)				3726.2
Sludge Cake Total (Wet Tons)				5916.4
Septage Total (MGal)	66,430	56,000	182,500	597,700

Discharge Permit Exceedance: None

Oxford flow N/A due to flowmeter installation

Safety Incidents and Odor Complaints

	Month	YTD
Recordable Accidents	0	1
Lost Time Accidents	0	1
Odor Complaints	0	17
Unconfirmed Odor Complaints	2	2

1. **Compliance & Regulatory Issues**
   - **a.** There were no recorded Odor Complaints for November 2013. On Nov 7, Phil Schnell (CTDEEP) called to discuss an odor complaint from Oct 19. That complaint was from the Meadowbrook area and was not reported to the plant. A review of the wind direction revealed the wind was from the ESE meaning the site was upwind of the plant (unconfirmed).
   - **b.** On Nov. 26 a meeting was held at the plant with the Borough and their Facility Plan Engineer. Jim Stewart, George Pendleton, Ray Tapazio, Rich Kraft, Farzin Kiani, Dan Gorka, Pat Mallane and John Batorski were in attendance. Discussion pertained to opportunities related to the EPA mandated emission upgrades, project timelines and project funding. The emission upgrades must be in operation by May 2016. Cogen, incinerator capacity, Waterbury sludge and related items were also discussed. It was agreed to meet again in Jan 2014.

2. Personnel

a. No report.

3. .Health & Safety

a. On Nov 12, Shane McCannon (Project Manager) from the Plymouth project performed a site safety inspection.

4. Operational Information

a. On Dec 6, 2013 a student from Naugatuck High school will be on site for the day as part of the community outreach program. The staff will spend a period of their day with the student discussing plant operations and environmental careers.

b. The ID fan bearings were replaced on November 5, 2013.

c. The structural steel for the hot oil cooler has been fabricated and will be brought onsite in December.

d. The #2 sludge storage tank was cleaned of grit and rags.

5. Collections

a. A siphon structure near Route 8 requires repair as the structure surrounding the siphon has failed. Since the siphon is next to a bridge, CTDOT, and the CT Bridge Repair Unit must approve the repairs. Kleinfelder will evaluate the repair options.

b. A quote was requested for a flowmeter for the Platts Mill pump station by Jim Stewart. We were able to find a vendor that could install on the flowmeter without any pipe disassembly. The flowmeter was ordered and the cost was split with Waterbury ($1222.30 ($3595 X 34%).

6. Maintenance

a. Maintenance Shop organization has started. Partitions were installed in the old maintenance shop and flume building.

b. The original seal on the #3 RAS pump has failed and a replacement will be installed.

c. The main bearings on the silo bottom conveyors have been repaired.

d. The #1 sludge recirculation pump (Vaughn Chopper) will require a new impellor and cutters after 3 ½ years of operation.

e. The soda ash feeder was rebuilt and returned to service.

6. **Capital Projects**

a. No report.

Borough of Naugatuck
Collections Systems Report
November 2013

VEOLIA WATER

	Calls for Service
1	11/04/13 256 north main st lateral problem
2	
3	
4	
5	
6	

This Month	Year to Date
1	6

	Calls Caused By Collection System
1	
2	
3	
4	

Reason

Root Treatment

	Street Name	Type	Footage
1			
2			
3			1

This Month		Year to Date	
1	Feet	4683	Feet

Video Inspections

	Street Name	Type	Footage
1	11/20/13 north main st.	cctv	360
2			
3			
4			
5			1

This Month		Year to Date	
361	Feet	2073	Feet

Pump Station Services

	Work performed	Location	Date	Notes
1	check all stations		11/8/2013	
2	check all stations		11/15/2013	
3	check all stations		11/22/2013	sevice gas heater at inwood
4	check all stations		11/24/2013	
5	check all stations		11/27/2013	after heavy rainfall
6				
7				

Vac Truck Information

Days out of the plant working		
This Month	YTD	Remaining
8	69	81

Fuel Information	Fuel Cost	Fuel Used			
	$136.00	32.5	Gallons	YTD Gallons	
	$303.00	72.5	Gallons	568.8	Gallons
	$121.06	29.0	Gallons		
			Gallons	YTD Fuel Cost	
This Months Total	$560.06	134.0	Gallons	$2,529.61	

	Mileage		Engine Hours
Month Start	168585	Month Start	4643
Month End	169541	Month End	4694
Total	956	Total	51

Utlity Truck Information	Fuel Cost	Fuel Used		
	$120.15	28.75	Gallons	YTD Gallons
	$116.43	27.86	Gallons	197.36
			Gallons	
			Gallons	YTD Fuel Cost
	$236.58	**56.61**	Gallons	$821.58

Other tasks and notes

1	11/1/13 vac skimmings
2	11/7/13 vac maple/may pump station
3	11/11/13 vac storage tank #4
4	11/12/13 vac storage tank #4
5	11/22/13 vac storage tank #2
6	11/23/13 hvc main line from storage tank #2 sump to basement
7	
8	
9	
10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	

	High Velocity Cleaning		
	Street Name	Date	Footage
1	quinn st. 6-225 to 6-221	11/5/2013	995
2	quinn st. 6-222 to 6-233	11/5/2013	30
3	quinn st. 6-221 to 6-220	11/6/2013	160
4	quinn st. 6-236 to 6-220	11/6/2013	400
5	East dr. 6-219 to 6-217	11/6/2013	360
6	Fern. 6-170 to 6-167	11/6/2013	890
7	Park Ave. 6-174 to 6-165	11/6/2013	175
8	Park Ave. end to 6-306	11/6/2013	145
9	Park Ave. 6-307 to 6-306	11/6/2013	375
10	Park Ave. end to 6-308	11/6/2013	170
11	Park Ave. clean out to 6-308	11/6/2013	175
12	Park Ave. 6-271 to 6-217	11/6/2013	350
13	Park Ave. 6-217 to 6-215	11/6/2013	260
14	Morning Dove. 11-131 to 14-72	11/14/2013	800
15	May Ave. 6-321 to 6-305	11/19/2013	815
16	Arch st. 9-50 to 9-51	11/20/2013	150
17	Walnut st. 6-319 to 6-304	11/21/2013	250
18			
19			
20			
21			
22			
23			
24			
25			
26			
27			
28			
29			
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37			
38			
39			
40			
41			
42			
43			
44			
45			
46			
47			
48			
49			
50			
51			1

6 month list
Call for service

This Month		Year to Date	
6501	Feet	74688	Feet

VEOLIA
WATER

Sent Certified R.R.R. mail #7009 2820 0004 1018 0491 on December 5, 2013

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

December 5, 2013

Re: December 2013 Reports for Naugatuck, CT WPCF, NPDES # CT0100641

Dear Sir/Madam:

Enclosed please find the *Monthly Operating Report, Nutrients Analysis Report* for the month of November 2013. The *Nutrients Analysis Report for Compliance with General Permit for Nitrogen Discharges* and *Discharge Monitoring Report* were submitted electronically. There were no exceptions to this report.

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

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

Sincerely,
Veolia Water North America – Northeast, LLC

John Batorski
Plant Manager

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

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

Facility: Naugatuck WWTF
Sample month: Nov,2013
Facility ID: 088-001
Page 1 of MOR for permit # CT0100641

Chief Operator: John Batorski
Permit expiration date: August 7, 2006

Please return forms to: DEP-BWM
79 Elm Street
Hartford, CT 06106-5127

Date received: (stamped)

8

	Daily Flow			Primary Sludge			Aeration Tanks				Return sludge		Waste sludge	Dry solids to incineration	Waste accepted		CBOD (5-day)			Suspended Solids			Settleable Solids	Turbidity	Comments
	Max.	Min.	Total	Vol.	% solids	wt.	MLSS	SVI	DO Hi	DO Lo	% flow	% solids			septic	indust	Inf.	Prim. Eff.	Final Eff.	Inf.	Prim. Eff.	Final Eff.	Eff.	Eff.	
Units	mgd			gal.		lbs.			mg/l				lbs	lbs	gal	gal	mg/l			mg/l			ml/l	NTU	
Freq	daily			work day			work day				work day		work day	work day	work day		Daily			Daily			work day	work day	
01	4.6	1.6	3.6				3,028	77	2.70	1.10	191	0.62	0	189,024	34,500								0.0	4.1	
02	5.4	1.3	3.2						2.60	0.50	198		1,465	172,968	15,250										
03	5.2	1.4	3.5						2.60	1.00	203		1,046	192,840	0										
04	4.6	1.3	3.5				3,088	77	4.20	1.10	207	0.63	0	160,952	42,250		150	89	<4	110	81	6	0.0	3.2	
05	5.8	1.4	3.6				3,812	71	2.50	1.10	195	0.65	1,659	89,964	44,000		240	170	<4	250	65	<5	0.0	6.0	
06	4.9	1.4	3.6				3,260	73	2.50	0.90	191	0.67	1,425	168,084	67,520		250	150	<4	260	88	<5	0.0	8.0	
07	4.8	1.6	3.7				3,668	74	2.50	1.00	185	0.71	1,679	204,312	44,400								0.0	5.3	
08	4.9	0.0	3.6				3,520	74	2.40	1.00	196	0.65	829	175,152	54,050								0.0	5.7	
09	5.3	1.6	3.5						2.50	1.10	190		276	176,532	9,250										
10	5.4	1.6	3.5						2.40	1.00	194		276	217,560	0										
11	5.0	1.3	3.6				3,370	76	2.30	1.10	196	0.77	0	137,659	47,000		310	100	<4	600	96	<5	0.0	5.0	
12	4.8	1.6	3.4				2,844	79	4.30	1.10	192	0.72	0	90,393	43,250		250	130	<4	340	110	<5	0.0	2.8	
13	4.8	1.6	3.7				3,476	78	2.40	1.10	191	0.75	634	165,408	42,000		300	110	<4	430	72	<5	0.0	3.4	
14	4.7	2.1	3.5				3,808	78	2.40	1.30	208	0.86	0	186,235	48,250								0.0	2.7	
15	4.9	2.1	3.4				3,886	77	2.30	0.90	192	0.81	0	175,152	47,700								0.0	2.1	
16	5.5	1.7	3.6						2.40	0.90	181		1,206	178,704	11,850										
17	5.3	1.6	3.7						2.20	1.10	188		0	171,360	0										
18	5.0	2.0	3.3				4,028	68	2.30	1.10	201	0.66	0	169,009	45,510		320	94	<4	300	53	<5	0.0	2.9	
19	5.3	1.8	3.6				3,434	86	2.20	1.00	192	0.79	0	119,751	44,000		150	55	<4	130	61	5	0.0	2.3	
20	5.0	2.2	3.7				4,232	70	3.70	1.00	181	0.78	664	172,968	36,550		150	180	<4	100	86	<5	0.0	2.7	
21	4.9	1.9	3.5				4,412	64	2.20	1.10	188	0.86	1,091	175,152	38,700								0.0	3.1	
22	5.2	1.8	3.9				3,908	79	2.20	1.20	182	0.86	0	170,568	35,500								0.0	3.5	
23	4.9	1.7	3.7						2.20	1.20	191		732	178,704	10,500										
24	5.0	1.8	3.3						2.30	1.20	198		1,463	124,296	1,250		250	120	<4	300	73	6			
25	5.0	1.7	3.9				4,190	75	2.20	1.20	196	0.69	1,165	187,236	42,500		240	140	<4	210	100	<5	0.0	3.6	
26	4.9	1.8	3.6				5,444	60	2.20	1.20	171	0.95	2,211	175,152	43,600		180		<4	200		<5	0.0	3.9	
27	11.6	3.6	6.9				5,802	53	2.30	1.20	101	1.23	2,605	179,966	18,750								0.0	9.0	
28	6.9	3.0	4.5						2.20	0.90	146		2,084	185,609	0										
29	5.4	2.8	4.3						2.30	1.20	158		0	189,300	28,750										
30	5.6	2.3	3.9						4.90	1.10	172		1,563	190,800	5,750										
TOT			112.3										24,074	5,070,810	902,630										
AVG	5.4	1.8	3.7				3,853	73	2.2	1.8	186	0.8	802	169,027	30,088		233	122	4	269	80	5	0.0	4.2	

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: 12-5-13

	Chlorine Dose		Chlorine Residual		Fecal Coliform	Ammonia			Nitrate			Nitrite			TKN			D.O.	pH		Ortho P	Total Phosphorus		Temp.		Zinc	Copper	Comments
			high	low		Inf.	Prim.	Eff.	Inf.	Prim.	Eff.	Inf.	Prim.	Eff.	Inf.	Prim.	Eff.	Eff.	Inf.	Eff.	Eff.	Inf.	Eff.	Inf.	Eff.	Eff.	Eff.	
Units	lbs	mg/l	mg/l		#/100 ml	mg/l			mg/l			mg/l			mg/l			mg/l	S.U.		mg/l	mg/l		Deg F		kg/d	kg/d	
Freq	Daily		4/work day		daily	weekly			weekly			weekly			weekly			week	work day		weekly	wee k		work day		work day	work day	
01	0.00	0.00																7.3	7.5	6.9				70	82			
02	0.00	0.00																										
03	0.00	0.00																										
04	0.00	0.00				28.4	23.2	0.12	<0.01	<0.01	4.0	0.030	0.1	<0.01	40.7	34.0	1.85	8.3	7.4	6.9	10.9	4.3	11.3	66	80	1.05	0.19	
05	0.00	0.00				28.8	26.2	0.11			3.6			<0.01			1.67	8.8	7.5	6.9	10.8		11.2	67	79			
06	0.00	0.00				27.2	24.4	0.27			3.9			<0.01			2.15	7.8	7.1	7.0				67	77			
07	0.00	0.00																8.8	7.4	7.1				68	80			
08	0.00	0.00																8.3	7.3	7.1				67	80			
09	0.00	0.00																										
10	0.00	0.00																										
11	0.00	0.00				27.0	19.7	0.15			4.0			<0.01			1.63	7.8	7.7	6.9	11.1		11.4	66	80	0.87	0.14	
12	0.00	0.00				28.2	20.8	0.22			4.3			<0.01			1.93	7.6	7.3	6.8	2.2		12.0	66	78			
13	0.00	0.00				29.6	21.8	0.18			2.4			<0.01			1.70	8.1	7.4	6.9				70	74			
14	0.00	0.00																8.6	7.2	6.9				68	76			
15	0.00	0.00																8.0	7.2	6.8				64	73			
16	0.00	0.00																										
17	0.00	0.00																										
18	0.00	0.00				27.0	21.4	0.18			5.3			<0.01			1.85	7.4	7.5	6.8	11.8		12.2	67	81	1.15	0.20	
19	0.00	0.00				29.2	22.4	0.16			4.0			<0.01			1.69	7.1	7.6	6.8	12.7		12.0	66	80			
20	0.00	0.00				28.8	25.2	0.22			4.2			<0.01			2.08	7.6	7.6	6.8				67	76			
21	0.00	0.00																7.4	7.3	6.8				65	75			
22	0.00	0.00																6.9	7.6	6.7				64	79			
23	0.00	0.00																										
24	0.00	0.00				33.2	28.2	0.26			5.2			0.02			1.99				16.5		16.2			1.16	0.21	
25	0.00	0.00				28.8	29.2	0.14			5.4			0.02			2.31	8.0	7.7	6.9	15.8		17.1	62	74			
26	0.00	0.00				28.0		0.26			5.2			0.02			2.43	8.2	7.3	6.6				63	74			
27	0.00	0.00																7.1	7.3	6.8				63	78			
28	0.00	0.00																										
29	0.00	0.00																										
30	0.00	0.00																										
TOT																												
AVG						28.7	23.9	0.19	0.0	0.0	4.3	0.0	0.1	0.01	40.7	34.0	1.94	7.8	7.4	6.8	11.5	4.3	12.9	66	78	1.06	0.18	

Nutrient Analysis Report

Town/Facility: Naugatuck WWTF Flow Rate: 3.5 MGD Sampling Date: 11/04/13

Parameter	Raw Influent		Primary Effluent		Final Effluent				Plant Efficiency
	mg/l	lbs/day	mg/l	lbs/day	mg/l	lbs/day	mg/l	lbs/day	(%)
Ammonia	28.4		23.2		0.1				
Nitrites	0.03		0.12		<0.01				
Nitrates	0.0		0.0		4.0				
TKN	40.7		34.0		1.9				
Total Nitrogen	40.7	1,189	34.1	996	5.8	169			86
Orthophosphates	2.7	78			10.9	318			
Total Phosphorus	4.3	126			11.3	330			

Permit # CT0100641

VEOLIA WATER

Naugatuck Plant Samples by Intake Forecast Summary

Sample Date Range 11/1/2013 - 11/30/2013
Forecast Date Range 12/1/2013 - 11/30/2013
Number of Forecast Days: 0

Bates, Inc.	Forecasted New Intake	Forecasted Total
Liquid Sludge		
Total Gallons: 6,000	0	6,000
Total Samples for Bates, Inc.: 1		

Beacon Falls Treatment	Forecasted New Intake	Forecasted Total
Liquid Sludge		
Total Gallons: 104,000	0	104,000
Total Samples for Beacon Falls Treatment: 16		

Bennett Septic	Forecasted New Intake	Forecasted Total
Septage		
Total Gallons: 173,000	0	173,000
Total Samples for Bennett Septic: 46		

Bill Dunn Sanitation	Forecasted New Intake	Forecasted Total
Septage		
Total Gallons: 62,800	0	62,800
Total Samples for Bill Dunn Sanitation: 32		

Bill Marek Excavating & Septic Systems	Forecasted New Intake	Forecasted Total
Septage		
Total Gallons: 48,000	0	48,000
Total Samples for Bill Marek Excavating & Septic Systems: 16		

Bristol	Forecasted New Intake	Forecasted Total
Cake Sludge		
Total Tons: 487.60	0	488
Total Samples for Bristol: 27		

Casella Beacon, NY	Forecasted New Intake	Forecasted Total
Cake Sludge		
Total Tons: 25.24	0	25
Total Samples for Casella Beacon, NY: 1		

Casella Chicopee	Forecasted New Intake	Forecasted Total
Cake Sludge		
Total Tons: 442.92	0	443
Total Samples for Casella Chicopee: 17		

Casella Glen Cove	Forecasted New Intake	Forecasted Total

Cake Sludge		
Total Tons: 264.48	0	264
Total Samples for Casella Glen Cove: 11		

Casella Suffolk NY	**Forecasted New Intake**	**Forecasted Total**
Cake Sludge		
Total Tons: 1,636.37	0	1,636
Total Samples for Casella Suffolk NY: 61		

Casella Westfield MA	**Forecasted New Intake**	**Forecasted Total**
Cake Sludge		
Total Tons: 495.02	0	495
Total Samples for Casella Westfield MA: 19		

Casella Yorktown Heights	**Forecasted New Intake**	**Forecasted Total**
Cake Sludge		
Total Tons: 73.63	0	74
Total Samples for Casella Yorktown Heights: 5		

Chatfield	**Forecasted New Intake**	**Forecasted Total**
Septage		
Total Gallons: 6,400	0	6,400
Total Samples for Chatfield: 8		

EarthCare	**Forecasted New Intake**	**Forecasted Total**
Liquid Sludge		
Total Gallons: 18,000	0	18,000
Total Samples for EarthCare: 3		

East Coast Septic	**Forecasted New Intake**	**Forecasted Total**
Septage		
Total Gallons: 168,000	0	168,000
Total Samples for East Coast Septic: 42		

Grieger Excavating	**Forecasted New Intake**	**Forecasted Total**
Septage		
Total Gallons: 37,500	0	37,500
Total Samples for Grieger Excavating: 15		

Heritage Village Water	**Forecasted New Intake**	**Forecasted Total**
Liquid Sludge		
Total Gallons: 65,000	0	65,000
Total Samples for Heritage Village Water: 10		

HI Stone Septic	**Forecasted New Intake**	**Forecasted Total**
Septage		
Total Gallons: 6,500	0	6,500
Total Samples for HI Stone Septic: 1		

Koseski Septic

	Forecasted New Intake	Forecasted Total
Septage		
Total Gallons: 129,000	0	129,000

Total Samples for Koseski Septic: 45

Litchfield

	Forecasted New Intake	Forecasted Total
Liquid Sludge		
Total Gallons: 32,500	0	32,500

Total Samples for Litchfield: 5

Lynnwood Place

	Forecasted New Intake	Forecasted Total
Septage		
Total Gallons: 39,000	0	39,000

Total Samples for Lynnwood Place: 6

Mahopac Septic

	Forecasted New Intake	Forecasted Total
Liquid Sludge		
Total Gallons: 886,800	0	886,800

Total Samples for Mahopac Septic: 144

Maslar's Party Rentals

	Forecasted New Intake	Forecasted Total
Septage		
Total Gallons: 270	0	300

Total Samples for Maslar's Party Rentals: 1

New England Septic

	Forecasted New Intake	Forecasted Total
Septage		
Total Gallons: 120,000	0	120,000

Total Samples for New England Septic: 40

New Hartford

	Forecasted New Intake	Forecasted Total
Liquid Sludge		
Total Gallons: 104,000	0	104,000

Total Samples for New Hartford : 16

New Rochelle

	Forecasted New Intake	Forecasted Total
Cake Sludge		
Total Tons: 1,962.44	0	1,962

Total Samples for New Rochelle: 86

North Canaan

	Forecasted New Intake	Forecasted Total
Liquid Sludge		
Total Gallons: 26,000	0	26,000

Total Samples for North Canaan: 4

Oxbury Sanitation

	Forecasted New Intake	Forecasted Total
Septage		
Total Gallons: 30,000	0	30,000

Total Samples for Oxbury Sanitation: 10

	Forecasted New Intake	Forecasted Total
Pawling		
Liquid Sludge		
Total Gallons: 19,500	0	19,500
Total Samples for Pawling: 3		
Plymouth		
Liquid Sludge		
Total Gallons: 97,500	0	97,500
Total Samples for Plymouth: 15		
Prospect Sanitation		
Septage		
Total Gallons: 37,500	0	37,500
Total Samples for Prospect Sanitation: 15		
Rhinebeck		
Cake Sludge		
Total Tons: 11.70	0	12
Total Samples for Rhinebeck: 1		
Shelton Septic		
Septage		
Total Gallons: 14,000	0	14,000
Total Samples for Shelton Septic: 7		
Stratford		
Liquid Sludge		
Total Gallons: 760,500	0	760,500
Total Samples for Stratford: 117		
Superior Sanitation		
Septage		
Total Gallons: 25,500	0	25,500
Total Samples for Superior Sanitation: 17		
Synagro		
Liquid Sludge		
Total Gallons: 175,500	0	175,500
Cake Sludge		
Total Tons: 76.10	0	76
Total Samples for Synagro: 30		
Talarico Septic		
Septage		
Total Gallons: 198,000	0	198,000
Total Samples for Talarico Septic: 57		

Thomaston	Forecasted New Intake	Forecasted Total
Liquid Sludge		
Total Gallons: 65,000	0	65,000
Total Samples for Thomaston: 10		

Torrington	Forecasted New Intake	Forecasted Total
Liquid Sludge		
Total Gallons: 370,500	0	370,500
Total Samples for Torrington: 57		

Veolia Bedford Hills	Forecasted New Intake	Forecasted Total
Liquid Sludge		
Total Gallons: 26,000	0	26,000
Total Samples for Veolia Bedford Hills: 4		

Veolia Danbury	Forecasted New Intake	Forecasted Total
Cake Sludge		
Total Tons: 335.20	0	335
Total Samples for Veolia Danbury: 20		

Veolia North Haven	Forecasted New Intake	Forecasted Total
Liquid Sludge		
Total Gallons: 97,500	0	97,500
Total Samples for Veolia North Haven: 15		

Veolia Pepsi	Forecasted New Intake	Forecasted Total
Liquid Sludge		
Total Gallons: 6,500	0	6,500
Total Samples for Veolia Pepsi: 1		

Veolia Poughkeepsie	Forecasted New Intake	Forecasted Total
Liquid Sludge		
Total Gallons: 487,500	0	487,500
Total Samples for Veolia Poughkeepsie: 75		

Veolia Seymour	Forecasted New Intake	Forecasted Total
Cake Sludge		
Total Tons: 105.45	0	105
Total Samples for Veolia Seymour: 13		

VES Americas Styrenics	Forecasted New Intake	Forecasted Total
Industrial Waste Water		
Total Gallons: 6,500	0	6,500
Total Samples for VES Americas Styrenics: 1		

Watertown Septic	Forecasted New Intake	Forecasted Total
Septage		

Total Gallons: 3,000		
Total Samples for Watertown Septic: 1	0	3,000

Westport

Liquid Sludge	Forecasted New Intake	Forecasted Total
Total Gallons: 149,500		
Total Samples for Westport: 23	0	149,500

Windham

Liquid Sludge	Forecasted New Intake	Forecasted Total
Total Gallons: 312,000		
Total Samples for Windham: 48	0	312,000

Total Gallons for all Customers 11/1/2013 - 11/30/2013: 4,920,770	0	4,920,800
Total Tons for all Customers 11/1/2013 - 11/30/2013: 5,916.14	0	5,916
Total Samples for all Customers 11/1/2013 - 11/30/2013: 1220		

Nutrient Analysis Report

For compliance with General Permit for Nitrogen Discharges

Facility Name: NAUGATUCK TREATMENT Co. **Month:** Nov-13
Permit Number: CT0100641 **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.	11/4/2013	3.5	1.85	3.99	5.8	169
NAUGATUCK TRE.	11/5/2013	3.6	1.67	3.59	5.3	159
NAUGATUCK TRE.	11/6/2013	3.6	2.15	3.9	6.1	183
NAUGATUCK TRE.	11/11/2013	3.6	1.63	4.03	5.7	171
NAUGATUCK TRE.	11/12/2013	3.4	1.93	4.3	6.2	176
NAUGATUCK TRE.	11/13/2013	3.7	1.7	2.43	4.1	127
NAUGATUCK TRE.	11/18/2013	3.3	1.85	5.34	7.2	198
NAUGATUCK TRE.	11/19/2013	3.6	1.69	4.01	5.7	171
NAUGATUCK TRE.	11/20/2013	3.7	2.08	4.2	6.3	194
NAUGATUCK TRE.	11/24/2013	3.3	1.99	5.19	7.2	198
NAUGATUCK TRE.	11/25/2013	3.9	2.31	5.4	7.7	250
NAUGATUCK TRE.	11/26/2013	3.6	2.43	5.2	7.6	228
					0	0
					0	0
					0	0
					0	0
					0	0
					0	0
					0	0
					0	0
					0	0
					0	0
					0	0
					0	0
					0	0
					0	0
					0	0
					0	0
					0	0
					0	0
					Total Pounds	2224
					Average Pounds	185.3333333

Date of Last Calibration of Flow Meter: 7/15/2013

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 12-5-13

DB

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 11/01/13 to 11/30/13	**DMR Due Date:**	12/15/13	**Status:**	NetDMR Validated

Considerations for Form Completion

MONTHLY AVERAGE CONCENTRATIONS SHALL NOT BE EXCEEDED BY > 1.5 DURING ANY WEEK.GRAB SAMPLES SHALL BE TAKEN DURINGPERIODS OF DAILY PEAK FLOW.SAMPLES COLLECTED FOR BACTERIOLOGICAL EXAM SHALL BE COLLECTED BTW 11AM & 3PM OR DURING PEAK HORLY FLOW.

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	Quantity or Loading Value 1	Quantity or Loading Qualifier 2	Quantity or Loading Value 2	Quantity or Loading Units	Quality or Concentration Qualifier 1	Quality or Concentration Value 1	Quality or Concentration Qualifier 2	Quality or Concentration Value 2	Quality or Concentration Qualifier 3	Quality or Concentration Value 3	Quality or Concentration Units	# of Ex.	Frequency of Analysis	Sample Type
					Sample										=	82	15 - deg F		01/01 - Daily	GR - GRAB
00011	Temperature, water deg. fahrenheit	1 - Effluent Gross	0	–	Permit Req.											Req Mon INST MAX	15 - deg F		01/01 - Daily	GR - GRAB
					Value NODI															
					Sample						=	6.9					19 - mg/L		01/01 - Daily	GR - GRAB
00300	Oxygen, dissolved [DO]	1 - Effluent Gross	0	–	Permit Req.						>=	5.0001 INST MIN					19 - mg/L		01/01 - Daily	GR - GRAB
					Value NODI															
					Sample						=	6.6			=	7.1	12 - SU		01/01 - Daily	GR - GRAB
00400	pH	1 - Effluent Gross	0	–	Permit Req.						>=	6 INST MIN			<=	9 INST MAX	12 - SU		01/01 - Daily	GR - GRAB
					Value NODI															
					Sample										=	60	19 - mg/L		01/30 - Monthly	GR - GRAB
00410	Alkalinity, total [as CaCO3]	1 - Effluent Gross	0	–	Permit Req.											Req Mon INST MAX	19 - mg/L		01/30 - Monthly	GR - GRAB
					Value NODI															
					Sample								=	5	=	6	19 - mg/L		12/30 - Twelve Per Month	CP - COMPOS
00530	Solids, total suspended	1 - Effluent Gross	0	–	Permit Req.								<=	30 MO AVG	<=	45 DAILY MX	19 - mg/L		12/30 - Twelve Per Month	CP - COMPOS
					Value NODI															
					Sample								=	269			19 - mg/L		12/30 - Twelve Per Month	CP - COMPOS
00530	Solids, total suspended	G - Raw Sewage Influent	0	–	Permit Req.									Req Mon MO AVG			19 - mg/L		12/30 - Twelve Per Month	CP - COMPOS
					Value NODI															
					Sample										<	0.01	25 - mL/L		01/07 - Weekly	GR - GRAB
00545	Solids, settleable	1 - Effluent Gross	0	–	Permit Req.											Req Mon INST MAX	25 - mL/L		01/07 - Weekly	GR - GRAB
					Value NODI															
					Sample										=	7.7	19 - mg/L		01/30 - Monthly	CP - COMPOS
00600	Nitrogen, total	1 - Effluent Gross	0	–	Permit Req.											Req Mon DAILY MX	19 - mg/L		01/30 - Monthly	CP - COMPOS
					Value NODI															
					Sample	=	185			26 - lb/d									02/07 - Twice Every Week	CP - COMPOS
00600	Nitrogen, total	C - Nitrogen, Removal Complete	0	–	Permit Req.		Req Mon MO AVG			26 - lb/d									02/07 - Twice Every Week	CP - COMPOS
					Value NODI															
					Sample								=	0.2	=	0.3	19 - mg/L		12/30 - Twelve Per Month	CP - COMPOS

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00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	0	–	Permit Req.							<=	25 MO AVG		Req Mon DAILY MX	19 - mg/L	12/30 - Twelve Per Month	CP - COMPOS
					Value NODI													
					Sample									=	0.02	19 - mg/L	01/30 - Monthly	CP - COMPOS
00615	Nitrogen, nitrite total [as N]	1 - Effluent Gross	0	–	Permit Req.										Req Mon DAILY MX	19 - mg/L	01/30 - Monthly	CP - COMPOS
					Value NODI													
					Sample									=	5.4	19 - mg/L	01/30 - Monthly	CP - COMPOS
00620	Nitrogen, nitrate total [as N]	1 - Effluent Gross	0	–	Permit Req.										Req Mon DAILY MX	19 - mg/L	01/30 - Monthly	CP - COMPOS
					Value NODI													
					Sample									=	2.4	19 - mg/L	01/30 - Monthly	CP - COMPOS
00625	Nitrogen, Kjeldahl, total [as N]	1 - Effluent Gross	0	–	Permit Req.										Req Mon DAILY MX	19 - mg/L	01/30 - Monthly	CP - COMPOS
					Value NODI													
					Sample									=	17.1	19 - mg/L	01/30 - Monthly	CP - COMPOS
00665	Phosphorus, total [as P]	1 - Effluent Gross	0	–	Permit Req.										Req Mon DAILY MX	19 - mg/L	01/30 - Monthly	CP - COMPOS
					Value NODI													
					Sample									=	4.4	69 - mg/kg	01/60 - Once Every 2 Months	GR - GRAB
01002	Arsenic, total [as As]	S - See Comments	0	–	Permit Req.										Opt Mon INST MAX	69 - mg/kg	01/60 - Once Every 2 Months	GR - GRAB
					Value NODI													
					Sample									<	0.47	69 - mg/kg	01/60 - Once Every 2 Months	GR - GRAB
01012	Beryllium, total [as Be]	S - See Comments	0	–	Permit Req.										Opt Mon INST MAX	69 - mg/kg	01/60 - Once Every 2 Months	GR - GRAB
					Value NODI													
					Sample									<	0.0002	19 - mg/L	01/30 - Monthly	CP - COMPOS
01027	Cadmium, total [as Cd]	1 - Effluent Gross	0	–	Permit Req.										Req Mon DAILY MX	19 - mg/L	01/30 - Monthly	CP - COMPOS
					Value NODI													
					Sample	=	0.18	=	0.21	01 - kg/d							01/07 - Weekly	CP - COMPOS
01042	Copper, total [as Cu]	1 - Effluent Gross	0	–	Permit Req.	<=	1.4 MO AVG	<=	2.58 DAILY MX	01 - kg/d							01/07 - Weekly	CP - COMPOS
					Value NODI													
					Sample									<	0.001	19 - mg/L	01/30 - Monthly	CP - COMPOS
01077	Silver, total [as Ag]	1 - Effluent Gross	0	–	Permit Req.										Req Mon DAILY MX	19 - mg/L	01/30 - Monthly	CP - COMPOS
					Value NODI													
					Sample	=	1.06	=	1.16	01 - kg/d							01/07 - Weekly	CP - COMPOS
01092	Zinc, total [as Zn]	1 - Effluent Gross	0	–	Permit Req.	<=	4.85 MO AVG	<=	11.11 DAILY MX	01 - kg/d							01/07 - Weekly	CP - COMPOS
					Value NODI													
					Sample	=	3.7			03 - MGD							99/99 - Continuous	TM - TOTALZ
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	–	Permit Req.	<=	10.3 MO AVG			03 - MGD							99/99 - Continuous	TM - TOTALZ
					Value NODI													
					Sample									=	16.5	19 - mg/L	01/30 - Monthly	CP - COMPOS
70507	Phosphorous, in total orthophosphate	1 - Effluent Gross	0	–	Permit Req.										Req Mon DAILY MX	19 - mg/L	01/30 - Monthly	CP - COMPOS
					Value NODI													
					Sample									=	608	69 - mg/kg	01/60 - Once Every 2 Months	GR - GRAB
78467	Zinc, dry weight	S - See Comments	0	–	Permit Req.										Opt Mon INST MAX	69 - mg/kg	01/60 - Once Every 2 Months	GR - GRAB
					Value NODI													
																	01/60 - Once Every 2	

78468	Lead, dry weight	S - See Comments	0	–	Sample						=	52	69 - mg/kg	Months	GR - GRAB				
					Permit Req.							Opt Mon INST MAX	69 - mg/kg	01/60 - Once Every 2 Months	GR - GRAB				
					Value NODI														
78469	Nickel, dry weight	S - See Comments	0	–	Sample						=	21	69 - mg/kg	01/60 - Once Every 2 Months	GR - GRAB				
					Permit Req.							Opt Mon INST MAX	69 - mg/kg	01/60 - Once Every 2 Months	GR - GRAB				
					Value NODI														
78471	Mercury, dry weight	S - See Comments	0	–	Sample						=	1.11	69 - mg/kg	01/60 - Once Every 2 Months	GR - GRAB				
					Permit Req.							Opt Mon INST MAX	69 - mg/kg	01/60 - Once Every 2 Months	GR - GRAB				
					Value NODI														
78473	Chromium, dry weight	S - See Comments	0	–	Sample						=	32	69 - mg/kg	01/60 - Once Every 2 Months	GR - GRAB				
					Permit Req.							Opt Mon INST MAX	69 - mg/kg	01/60 - Once Every 2 Months	GR - GRAB				
					Value NODI														
78475	Copper, sludge, tot, dry weight [as Cu]	S - See Comments	0	–	Sample						=	645	69 - mg/kg	01/60 - Once Every 2 Months	GR - GRAB				
					Permit Req.							Opt Mon INST MAX	69 - mg/kg	01/60 - Once Every 2 Months	GR - GRAB				
					Value NODI														
78476	Cadmium, sludge, tot dry weight [as Cd]	S - See Comments	0	–	Sample						=	1.89	69 - mg/kg	01/60 - Once Every 2 Months	GR - GRAB				
					Permit Req.							Opt Mon INST MAX	69 - mg/kg	01/60 - Once Every 2 Months	GR - GRAB				
					Value NODI														
80126	BOD, carbonaceous, 5 day, 5 C	1 - Effluent Gross	0	–	Sample				=	4	=	4	19 - mg/L	12/30 - Twelve Per Month	CP - COMPOS				
					Permit Req.				<=	25 MO AVG	<=	40 DAILY MX	19 - mg/L	12/30 - Twelve Per Month	CP - COMPOS				
					Value NODI														
80126	BOD, carbonaceous, 5 day, 5 C	G - Raw Sewage Influent	0	–	Sample				=	233			19 - mg/L	12/30 - Twelve Per Month	CP - COMPOS				
					Permit Req.					Req Mon MO AVG			19 - mg/L	12/30 - Twelve Per Month	CP - COMPOS				
					Value NODI														
81011	Solids, suspended percent removal	K - Percent Removal	0	–	Sample	=	98						23 - %	01/30 - Monthly	CA - CALCTD				
					Permit Req.	>=	85 MN % RMV						23 - %	01/30 - Monthly	CA - CALCTD				
					Value NODI														
81383	Carbonaceous oxygen demand, % removal	K - Percent Removal	0	–	Sample	=	98						23 - %	01/30 - Monthly	CA - CALCTD				
					Permit Req.	>=	85 MN % RMV						23 - %	01/30 - Monthly	CA - CALCTD				
					Value NODI														
TGA3D	Pass/Fail Static 48Hr Acute D. Pulex	T - See Comments	1	–	Sample														
					Permit Req.					Opt Mon AVERAGE			9A - pass=0/fail=1	01/90 - Quarterly	CP - COMPOS				
					Value NODI					9 - Conditional Monitoring - Not Required This Period									
TGA6C	Pass/Fail Static 48Hr Acute Pimephales	T - See Comments	1	–	Sample														
					Permit Req.					Opt Mon AVERAGE			9A - pass=0/fail=1	01/90 - Quarterly	CP - COMPOS				
					Value NODI					9 - Conditional Monitoring - Not Required This Period									

Submission Note

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

Edit Check Errors

No errors.

Comments

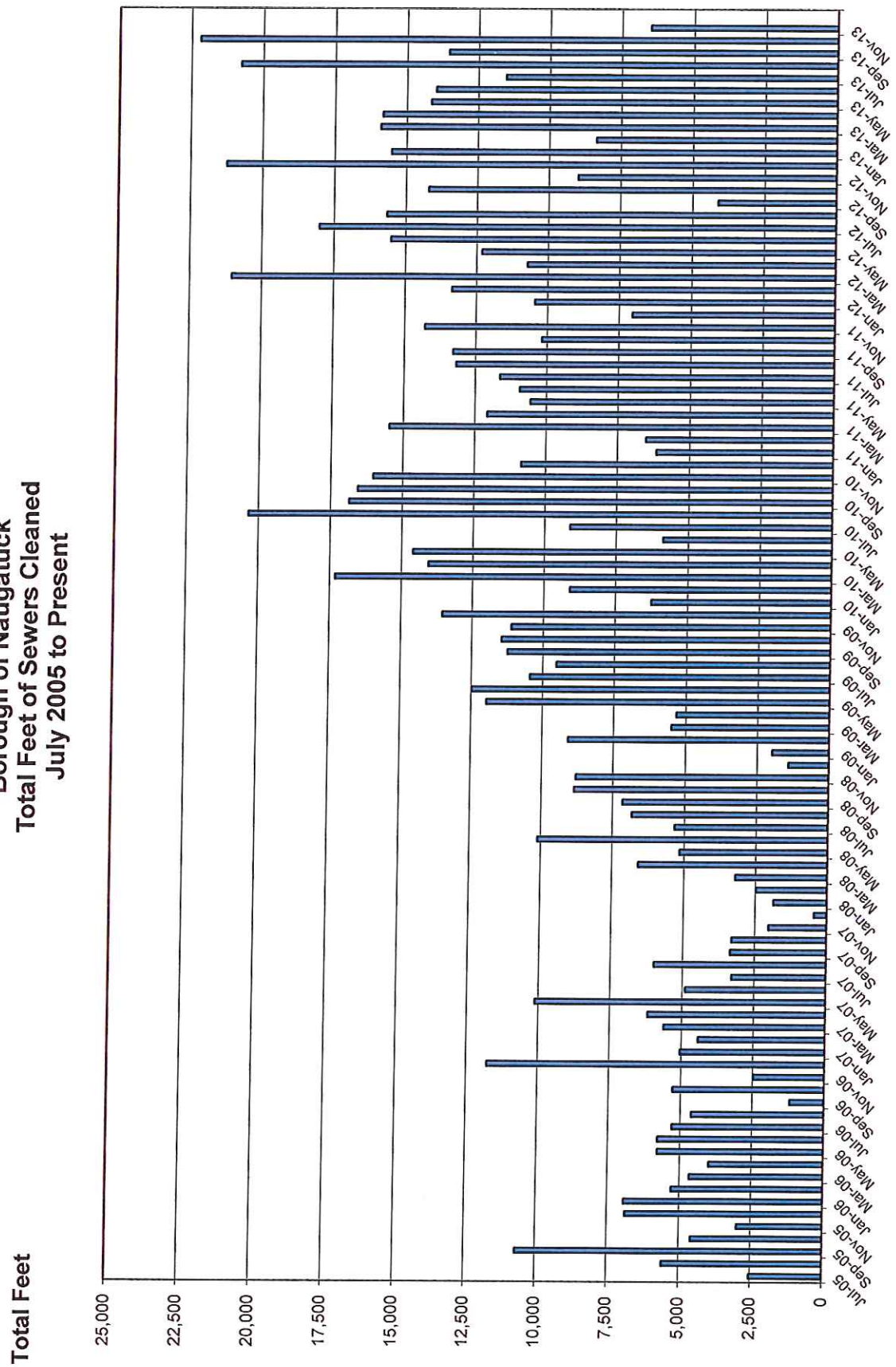
Attachments

No attachments.

Report Last Saved By

NAUGATUCK WPCF

User:	John.Batorski@Veoliawaterna.com	Date/Time:	2013-12-05 11:24 (Time Zone: -05:00)
Name:	John Batorski		
E-Mail:	John.Batorski@Veoliawaterna.com		


Borough of Naugatuck
Total Feet of Sewers Cleaned
July 2005 to Present
Total Feet
25,000
22,500
20,000
17,500
15,000
12,500
10,000
7,500
5,000
2,500
0
Jul-05
Sep-05
Nov-05
Jan-06
Mar-06
May-06
Jul-06
Sep-06
Nov-06
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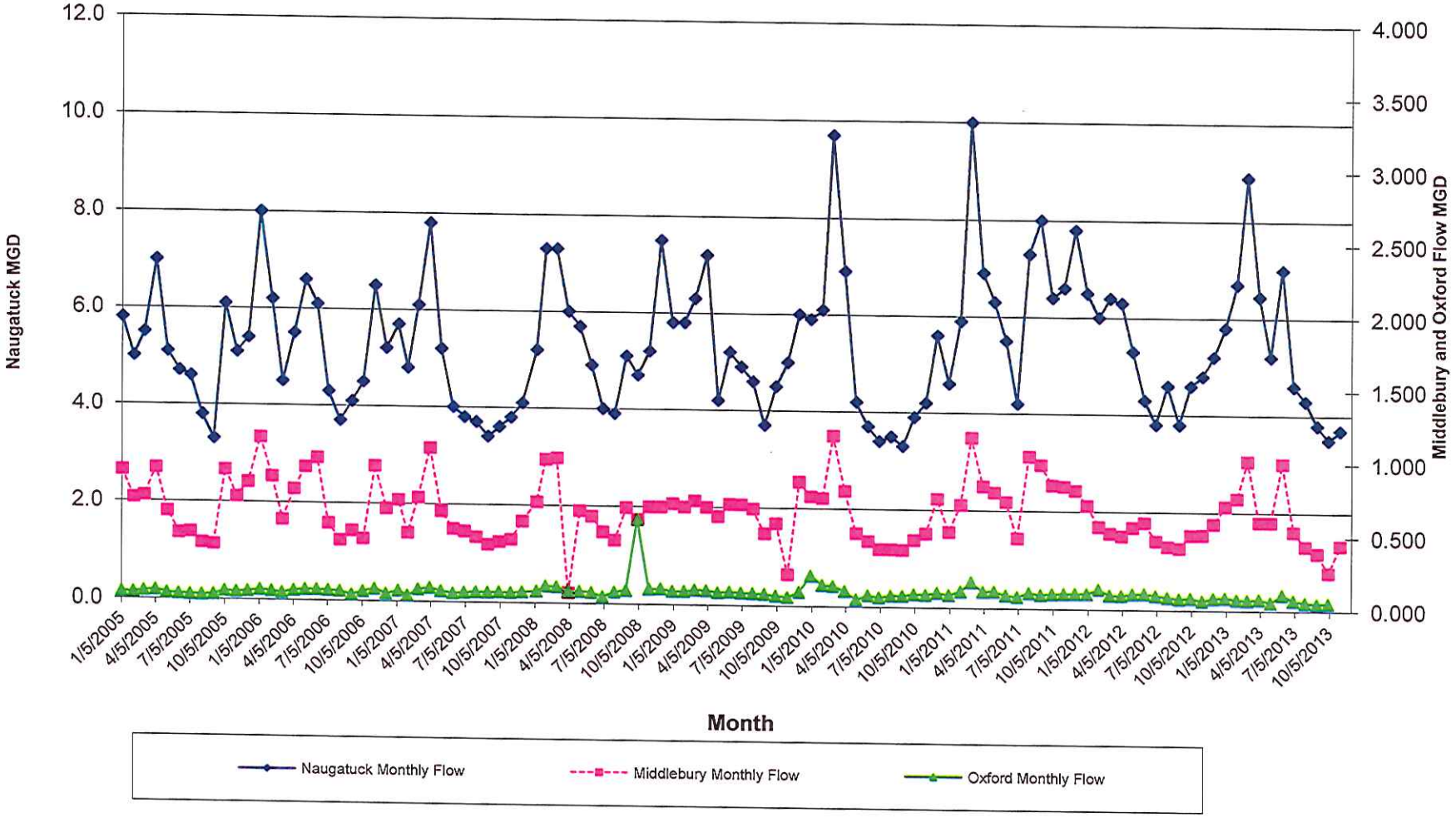
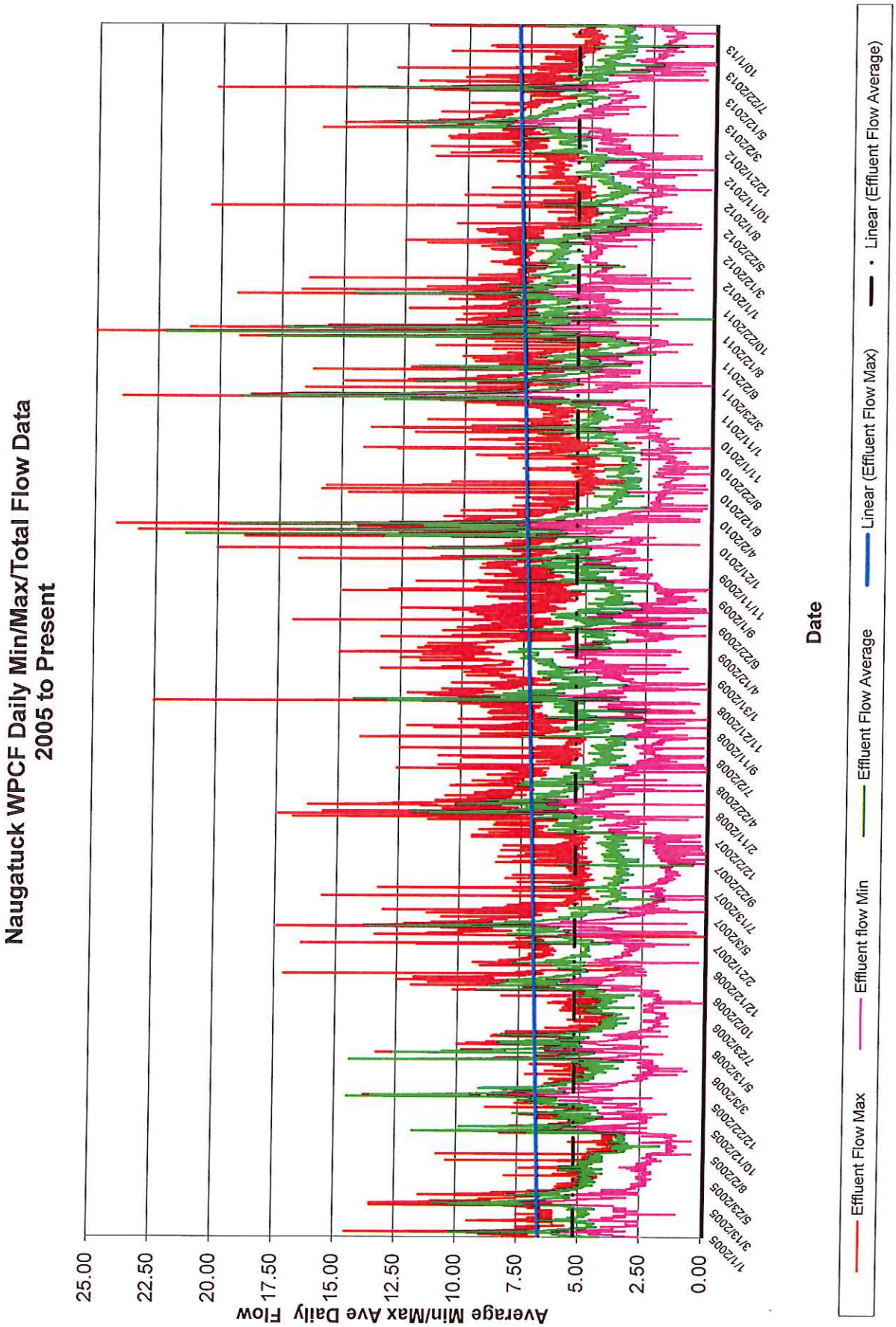
May-13
Jul-13
Sep-13
Nov-13

Naugatuck, Middlebury and Oxford
2005 to Present
Monthly Average Flows




Naugatuck WPCF Daily Min/Max/Total Flow Data
2005 to Present
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
Date
Effluent Flow Max
Effluent flow Min
Effluent Flow Average
Linear (Effluent Flow Max)
Linear (Effluent Flow Average)