Borough of Naugatuck
Water Pollution Control Facility
Monthly Operating Report
April 2014

Table of Contents

April 2014

1. April 2014 Operating Report – Cover Letter Page 1
2. Monthly WPCF Report, April 2014 Page 2
3. Collection Systems Report, April 2014 Page 4
4. April 4014 Reports
   a. Cover Letter Page 8
   b. Continuous Opacity Monitoring System Summary Report Page 9
   c. Nutrient Analysis Report Page 23
   d. Invoice Notification – Purchase or Sale of Equivalent Nitrogen credits for 2013 Page 24
   e. Bypass Reports Page 27
   f. Aquatic Toxicity Monitoring Report, 2nd Quarter 2014 Page 39
5. Homestead Packet Page 51
6. Waterbury Republican-American Article – Plant Upgrade Page 57
7. Naugatuck High School Grease Tank Photos Page 59
8. Monthly Charts
   a. Daily Min/Max/Total Flow Page 63
   b. Naugatuck, Middlebury, Oxford Flows Page 64
   c. Collection System: Total Feet Sewers Page 65
9. Addendum- April 2014 DMR Report

VEOLIA
WATER

April 12, 2014

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

Re: **April 2014 Monthly Operating Report**

Dear Mr. Merancy:

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

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

Sincerely,
Veolia Water North America – Northeast, LLC

John Batorski
Plant Manager
Veolia Water Naugatuck

cc: WPCA members: Rimas Balsys, Catherine Aresta, Pat Mallane, 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 April 2014

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

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

Please see attached Collections Report.

3. **Plant Performance Summary:**

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

Plant Process Data	Limit	Actual
Total Suspended Solids (mg/l)		
Influent Avg.	-	105
Effluent Avg.	30	7
Removal Efficiency	85%	93%
Plant Process Data*	Limit	Actual
Carbonaceous BOD		
Influent Avg.	-	79
Effluent Avg.	30	4
Removal Efficiency	85%	95%

Discharge Permit Exceedance: None

	Naugatuck	Middlebury	Oxford	OTR
Apr Flow Avg. (MGD)	7.94	0.871	0.0938	N/A
Sludge Liquid Total (MGal)				3.920
Sludge Cake Total (Wet Tons)				6333.7
Septage Total (MGal)	63,240	52,250	186,750	404,275

Discharge Permit Exceedance: None

Safety Incidents and Odor Complaints

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

1. **Compliance & Regulatory Issues**
   - **a.** There was no recorded Odor Complaint for April 2014.
   - **b.** A RATA test was performed on April 15, 2014. The original CO analyzer failed and was not economical to repair.
   - **c.** Bypass Reports are included this month as a result of high flows from the rainfall on May 1, 2014. Copies of the Homestead sewers are also attached as there was a sewer overflow due to the heavy rainfall.
   - **d.** A copy of the annual nitrogen credit report from CTDEEP for 2013 is attached. A refund in the amount of $1,229 will be paid to the Borough. The refund is smaller than previous years for several reasons. In March (8.9 MG ave., 13.3 MG peak flow) and June (6.98 MG ave., 20.2 MG peak flow) of last year, there were high flows as a result of abnormal rainfall and I&I (Inflow and Infiltration) into the sewers. Since the nitrogen is based upon pounds of nitrogen, when the daily flow is high, it increases the amount of nitrogen. Because of the high flows for this April, the nitrogen pounds average was 424 lbs. The nitrogen limit this year is 246 lbs. That high April nitrogen pounds will take several months of normal flows to lower the average to 246 lbs., if at all. As you will recall, the nitrogen lbs/day limit decreased each year. The original limit in 2002 was 472 lbs. The plant averaged less nitrogen that the limit which is why the nitrogen credit payments were higher. Because the limits were higher, they were less affected by flows. For example, if you look at the Nutrient Analysis Report for April, you will note that on April 1, the flow was 9 MG, with 503 lbs of nitrogen well above the 246 lb. limit!

e. Average plant flows for April were 7.94 MGD. The historical plant average is approximately 5 MGD. During the recent May 1, 2014 high flow event, plant flows peaked at 20.7 MG.

2. Personnel

a. A Maintenance Tech III (licensed electrician) was hired to fill a vacant maintenance position.

b. A summer intern was hired and will start May 19, 2014.

3. .Health & Safety

a. Monthly safety meetings were held.

4. Operational Information

a. The inlet to the primary heat exchanger was cleaned of minor deposits of ash.

b. The top section of the incinerator exhaust cap developed a crack in the weld. Repairs were completed.

c. The #2 and #3 secondary tank drives failed in April. The wire in an original conduit shorted out. Several thousand feet of new wire (motor and controls) had to be installed.

d. The chlorine contact tanks received annual cleaning.

e. The #4 secondary tank was removed from service to repair a broken cross collector. That tank is an original tank and will require new return rails and supports. New wear strips will also be installed. Repairs will take several weeks.

f. The Obane odor misting equipment was placed in service.

g. A sump pump was placed in the hot incinerator recycle stream in the wet well. The sump pump discharge was directed into the grease that accumulates in the wet well. The hot water successfully broke up the grease. A pump will be permanently installed to keep the grease from building up in the wet well.

5. Collections

a. The transfer switch at the Platts Mill pump station was replaced.

b. The Platts Mill flowmeter received a new sensor and appears to be functioning correctly.

6. Maintenance

a. The third raw sewage pump installation is complete.

b. The hot oil cooler and piping installation is underway.

c. Two sections of Abel sludge cake feed piping were replaced. Approximately 98% of all sludge cake feed piping has been replaced.

d. All chlorination/dechlorination equipment was rebuilt and placed in service for the disinfection season.

e. The venturi elbow refractory was inspected and found to be in good condition.

f. The thermal dryer vapor fan controls were rewired.

g. The original Cyprus planks covering the wet well were removed as they were over 30 years' old and developed cracks. FRP grating replaced the planks and rubber mating was used to cover the grating for odor control.

6. Vertical conveyor 3 upon inspection revealed cracks and an imminent failure. A spare conveyor was installed.

7.

8. **Capital Projects**

No report.

Borough of Naugatuck
Collections Systems Report
April 2014

VEOLIA WATER

	Calls for Service
1	89 Locust st. 4/10/14. main line was clear
2	32 Terrace ave.4/24/14. main line was clear
3	25 Mallane ln. 4/30/14. latteral problem
4	
5	
6	

This Month	Year to Date
3	16

	Calls Caused By Collection System	Reason
1	none	
2		
3		
4		

	High Velocity Cleaning		
	Street Name	Date	Footage
1	Damson ln. 6-256 to 6-252	4/1/2014	600
2	Quinn st. 6-235 to 6-233	4/1/2014	400
3	stonybrook easement. 2-72 to 2-64	4/1/2014	400
4	Harlow ct. 5-111 to 5-113	4/2/2014	335
5	Harlow ct. 5-111 to 5-96	4/2/2014	300
6	Field st. 5-100 to 5-96	4/2/2014	475
7	Trowbridge. 9-182 to 9-181	4/3/2014	385
8	George. 9-196 to 9-195	4/3/2014	325
9	Red Robin. 14-24 to 14-23	4/3/2014	50
10	Southview. 9-193 to end of line	4/9/2014	300
11	Allerton. 6-74 to 6-72	4/10/2014	400
12	Park ave. 6-272 to 6-271	4/10/2014	400
13	Locust st. 7-129 to 7-126	4/10/2014	150
14	Melbourne ct. 9-141c to 9-141	4/11/2014	440
15	Melbourne ct. 9-141 to 9-138	4/11/2014	425
16	Melbourne ct. 9-138 to 9-136	4/11/2014	200
17	Melbourne ct easement. 9-138 to 9-142	4/11/2014	265
18	Crofut. 5-12 to 5-61	4/15/2014	325
19	Mettleton ave. 9-174 to 9-158	4/16/2014	180
20	Goodyear ave. 9-173 to 9-171	4/16/2014	260
21	Terrace ave easement. 6-334 to 6-334a	4/18/2014	500
22	Sweeny st easement. 6-179 upstream	4/18/2014	90
23	Dayton rd. 6-150 to cleanout	4/23/2014	100
24	Summit rd. 6-149 to cleanout	4/23/2014	300
25	Dunn ave. 6-151 to 6-149	4/23/2014	300
26	Dunn ave. 6-149 to 6-185	4/23/2014	545
27	Park ave. 6-159 to 6-158	4/24/2014	275
28	Park ave. 6-158 to 6-157	4/24/2014	250
29	Walnut ter. 6-157 to 6-156	4/24/2014	350
30	David st. 3-126 to 3-127	4/29/2014	800
31	Auburn st. 10-163 to 10-164	4/29/2014	400
32	Locust st. 7-128 to 7-129	4/29/2014	285
33	Bingham st. 7-232 to 7-234	4/29/2014	315
34	Baldwin st. 10-167 to 10-170	4/29/2014	345
35	Central ave. 10-240 to 10-244	4/29/2014	540
36	Morning Mist. 11-75 to 11-90	4/30/2014	350

6 month list
Call for service

37	Tawny Thrush rd. 14-47 to 14-49	4/30/2014	600			
38	Moonlight cir. 11-79 to 11-87	4/30/2014	770			
39						
40						
51			1			
			This Month		Year to Date	
			13731	Feet	112194	Feet

Root Treatment

	Street Name	Type	Footage
1			
2			
3			1

This Month		Year to Date	
1	Feet	4685	Feet

Video Inspections

	Street Name	Type	Footage
1	4/21/14 at 51 hillside easement m/h 6-334A	cctv	50
2			
3			
4			
5			1

This Month		Year to Date	
51	Feet	4284	Feet

Pump Station Services

	Work performed	Location	Date	Notes
1	Pump Station Services	all 5	4/4/2014	
2	Pump Station Services	all 5	4/10/2014	
3	Pump Station Services	all 5	4/18/2014	
4	Pump Station Services	all 5	4/25/2014	
5				
6				
7				

PUMP RUN TIMES		HOURS		
STATION		Pump 1	Pump 2	Pump 3
Inwood	End Reading	625.5	2378.9	2609.1
	Start Reading	579.9	2340.9	2566
	Hrs Run	45.6	38	43.1

PUMP RUN TIMES		HOURS	
STATION		Pump 1	Pump 2
MAPLE & MAY	End Reading	32469.7	
	Start Reading	32337.6	
	Hrs Run	132.1	0

PUMP RUN TIMES		HOURS	
STATION		Pump 1	Pump 2
Platts Mill	End Reading	3488.4	4194.2
	Start Reading	3417.4	4115
	Hrs Run	71	79.2

PUMP RUN TIMES		HOURS	
STATION		Pump 1	Pump 2
Hopbrook	End Reading	950.2	649.8
	Start Reading	930	640.2
	Hrs Run	20.2	9.6

PUMP RUN TIMES		HOURS	
STATION		Pump 1	Pump 2
HORTON HILL	End Reading	7105.4	9046.3
	Start Reading	6999	8982.3
	Hrs Run	106.4	64

Vac Truck Information

Days out of the plant working		
This Month	YTD	Remaining
16	118	32

Fuel Information	Fuel Cost	Fuel Used			
	$228.81	51.1	Gallons	YTD Gallons	
	$243.84	54.4	Gallons	855.4	Gallons
			Gallons		
			Gallons	YTD Fuel Cost	
This Months Total	$472.65	105.5	Gallons	$3,779.41	

	Mileage		Engine Hours
Month Start	172402.1	Month Start	4879.3
Month End	173130	Month End	4925.2
Total	727.9	Total	45.9

Utility Truck Information	Fuel Cost	Fuel Used		
	$141.29	31.55	Gallons	YTD Gallons
	$150.95	33.7	Gallons	437.99
			Gallons	
			Gallons	YTD Fuel Cost
	$292.24	**65.25**	Gallons	$1,876.87

Other tasks and notes

1	4/02/14 Inspected Stonybrook easement and sorrounding area
2	4/03/14 Found and replaced damaged m/h on Red Robin 14-24
3	4/04/14 Landscaped all 5 pump stations and cleaned floats
4	4/08/14 Replaced belts on Inwood stations generator
5	4/09/14 alarm call to Inwood for broken float
6	4/06/14 cleaned #1 contact tank at plant
7	4/14/14 cleaned #2 contact tank at plant
8	4/17/14 vac/clean Hopbrook pump station
9	4/17/14 vac/clean Horton Hill pump station
10	4/17/14 put sodium hypochlorite in Hopbrook wetwell for grease
11	4/22/14 bypass line for G&L at Terrace ave/Hillside easement dig
12	4/22/14 landscaped Platts Mill and Maple/May
13	4/22/14 vac/clean Maple and May station
14	4/25/14 inspected m/h's in and along river
15	4/28/14 did maintenance on vac truck and skimmings at plant
16	4/28/14 vac/clean Inwoods pump station
17	
18	
19	
20	

VEOLIA
WATER

Sent via certified mail on April 29, 2014: Receipt # 7009 2820 0004 1018 0910

April 29, 2014

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

Subject: First Quarter 2014 COMS Summary Report

Dear Sir/Madam:

Enclosed please find enclosed a copy of the *Continuous Opacity Monitoring Summary Report* for the first quarter of 2014. All data is within acceptable ranges.

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

Sincerely,

Veolia Water North America-Northeast, LLC

John Batorski
Project Manager

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

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

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

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

Continuous Opacity Monitoring System Summary Report

Part 1: FACILITY INFORMATION

Corporation Name	Borough of Naugatuck		
Premises Name	Borough of Naugatuck POTW		
Corporation Address	229 Church Street, Naugatuck, CT 06770		
Premises Address	500 Cherry Street, Naugatuck, CT 06770		
Premises Contact Person	John Batorski		
Contact Phone/FAX/e-mail	(203) 723-1433	(203) 723-8539	
Reporting Period Dates	From: January 1, 2014	To: March 31, 2014	
Were there any monitoring system failures during this reporting period? (Yes/ No - provide details in report).	YES	Attachments: COMS data (CD or diskette); COMS data (e-mailed); ☐ Copy of quarterly QA audits; ☐ Excepted activities records (if requested).	
Are any excess emissions being reported during this reporting period? (Yes/No - provide details in report).	NO		

Part 2: CERTIFICATION

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

Preparer : CK Environmental

Date: April 25, 2014

Plant Signature: John Batorski; 4-28-14

Print (or type) John Batorski

Name and Title: Plant Manager

PART 3: PERFORMANCE REPORT			
Facility Name:	Borough of Naugatuck POTW		
Combustion Unit(s) Descriptions	Fluidized Bed Incinerator		
UNIT AND MONITOR INFORMATION			
Unit Number or ID	EMU 52		
Unit Operating Hours	2111.05 hours		
Sampling Location	Fluidized Bed Incinerator Emissions Stack		
Manufacturer / Model No.	Land / 4500 Mark II	Serial No.	0095478
Date of Certification	January 12, 2005	Date of last QA audit	March 14, 2014
MONITOR DATA AVAILABILITY			
Monitoring equipment malfunctions	.02		
Non-monitoring equipment malfunctions	.65		
Calibrations	5.18		
Other known causes[1]	3.65 Hours		
Unknown causes	None		
Total COM downtime	9.5 Hours		
Data Availability (calculated)	99.5%		

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

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

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

PART 4: SECTION 4 COMS EMISSION SUMMARY REPORT

Facility Name:	Borough of Naugatuck POTW

UNIT INFORMATION

Unit Number or ID	EMU 52	Unit Operating Hours (a)	2111.05

QUESTION 1 Did the period of exception from the visible emissions standards of 22a-174-18(b)(2) exceed 0.5% of the total operating hours during the calendar quarter?	❑ Yes xNo
QUESTION 2 Were there any visible emissions in excess of 60% opacity (six-minute block average) during the calendar quarter?	❑ Yes xNo
QUESTION 3 Were there any periods of visible emissions in excess of the visible emission standards of 22a-174-18(b)(2) not listed in the excepted activities in 22a-174-18(j)?	❑ Yes xNo

OPACITY EXCESS EMISSIONS SUMMARY

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

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

COMPANY NAME: VEOLIA WATER NORTH AMERICA
LOCATION: Naugatuck, CT
SOURCE: FB Incinerator
CEMS ID NO: 1234
DATE CREATED: 04/02/2014 @ 07:29
PERIOD: 01/01/2014 - 03/31/2014

INCIDENT: INVALID OPACITY

DATE	START TIME	END TIME	#MIN LONG	CODE	EXPLANATION	CORRECTIVE ACTION
01/01/14	05:55	05:57	0003	14	RECALIBRATION	N/A
01/02/14	05:55	05:57	0003	14	RECALIBRATION	N/A
01/03/14	05:55	05:57	0003	14	RECALIBRATION	N/A
01/03/14	12:59	13:08	0010	13	PROCESS DOWN	N/A
01/04/14	05:55	05:57	0003	14	RECALIBRATION	N/A
01/04/14	16:47	19:14	0148	13	PROCESS DOWN	N/A
01/04/14	19:47	19:58	0012	13	PROCESS DOWN	N/A
01/04/14	20:15	20:23	0009	13	PROCESS DOWN	N/A
01/05/14	05:55	05:57	0003	14	RECALIBRATION	N/A
01/06/14	05:55	05:57	0003	14	RECALIBRATION	N/A
01/07/14	05:55	05:57	0003	14	RECALIBRATION	N/A
01/08/14	05:55	05:57	0003	14	RECALIBRATION	N/A
01/09/14	05:55	05:57	0003	14	RECALIBRATION	N/A
01/09/14	07:19	07:22	0004	13	PROCESS DOWN	N/A
01/09/14	07:35	07:38	0004	13	PROCESS DOWN	N/A
01/09/14	07:43	07:53	0011	13	PROCESS DOWN	N/A
01/10/14	00:26	01:25	0060	13	PROCESS DOWN	N/A
01/10/14	05:55	05:57	0003	14	RECALIBRATION	N/A
01/11/14	05:55	05:57	0003	14	RECALIBRATION	N/A
01/11/14	15:43	15:54	0012	13	PROCESS DOWN	N/A
01/12/14	05:55	05:57	0003	14	RECALIBRATION	N/A
01/13/14	05:55	05:57	0003	14	RECALIBRATION	N/A
01/14/14	05:55	05:57	0003	14	RECALIBRATION	N/A
01/15/14	04:55	04:57	0003	14	RECALIBRATION	N/A
01/16/14	05:55	05:57	0003	14	RECALIBRATION	N/A
01/16/14	06:35	06:36	0002	13	PROCESS DOWN	N/A
01/16/14	08:23	08:25	0003	14	RECALIBRATION	N/A
01/17/14	05:55	05:57	0003	14	RECALIBRATION	N/A
01/17/14	07:01	07:03	0003	14	RECALIBRATION	N/A
1/18/14	05:55	05:57	0003	14	RECALIBRATION	N/A
1/19/14	04:55	04:57	0003	14	RECALIBRATION	N/A
01/20/14	05:55	05:57	0003	14	RECALIBRATION	N/A
01/21/14	04:55	04:57	0003	14	RECALIBRATION	N/A
01/22/14	05:55	05:57	0003	14	RECALIBRATION	N/A
01/22/14	06:39	10:58	0260	13	PROCESS DOWN	N/A
01/23/14	05:55	05:57	0003	14	RECALIBRATION	N/A
01/24/14	01:10	01:57	0048	13	PROCESS DOWN	N/A
01/24/14	05:55	05:57	0003	14	RECALIBRATION	N/A
01/25/14	05:55	05:57	0003	14	RECALIBRATION	N/A
01/26/14	05:55	05:57	0003	14	RECALIBRATION	N/A
01/27/14	05:55	05:57	0003	14	RECALIBRATION	N/A
01/27/14	06:46	06:48	0003	14	RECALIBRATION	N/A
01/28/14	05:55	05:57	0003	14	RECALIBRATION	N/A
01/29/14	05:55	05:57	0003	14	RECALIBRATION	N/A
01/30/14	05:55	05:57	0003	14	RECALIBRATION	N/A
01/31/14	05:55	05:57	0003	14	RECALIBRATION	N/A
01/31/14	06:24	06:36	0013	13	PROCESS DOWN	N/A
01/31/14	07:13	07:15	0003	14	RECALIBRATION	N/A
02/01/14	05:55	05:57	0003	14	RECALIBRATION	N/A
02/02/14	05:55	05:57	0003	14	RECALIBRATION	N/A
02/03/14	05:55	05:57	0003	14	RECALIBRATION	N/A
02/04/14	02:38	03:37	0060	13	PROCESS DOWN	N/A
02/04/14	05:55	05:57	0003	14	RECALIBRATION	N/A
02/04/14	07:10	15:50	0521	13	PROCESS DOWN	N/A
02/05/14	05:55	05:57	0003	14	RECALIBRATION	N/A
02/06/14	05:55	05:57	0003	14	RECALIBRATION	N/A
02/06/14	06:41	12:10	0330	13	PROCESS DOWN	N/A
02/06/14	13:14	13:23	0010	13	PROCESS DOWN	N/A
02/07/14	05:55	05:57	0003	14	RECALIBRATION	N/A
02/08/14	05:55	05:57	0003	14	RECALIBRATION	N/A
02/09/14	05:55	05:57	0003	14	RECALIBRATION	N/A
02/10/14	05:55	05:57	0003	14	RECALIBRATION	N/A
02/11/14	05:55	05:57	0003	14	RECALIBRATION	N/A
02/12/14	05:55	05:57	0003	14	RECALIBRATION	N/A
02/13/14	04:55	04:57	0003	14	RECALIBRATION	N/A
02/14/14	05:55	05:57	0003	14	RECALIBRATION	N/A
02/14/14	05:58	07:03	0066	11	EXCESS DRIFT PRIMARY MONITOR	MANUALLY RECALIBRATE PRIMARY MONITO
02/14/14	07:04	07:06	0003	14	RECALIBRATION	N/A
02/14/14	08:25	08:53	0029	13	PROCESS DOWN	N/A
02/14/14	08:54	08:58	0005	20	CORRECTIVE MAINTENANCE	ROUTINE MAINTENANCE PERFORMED ON CE
2/14/14	08:59	09:08	0010	13	PROCESS DOWN	N/A
2/14/14	09:28	10:31	0064	13	PROCESS DOWN	N/A
2/14/14	13:34	14:16	0043	13	PROCESS DOWN	N/A

OMPANY NAME: VEOLIA WATER NORTH AMERICA
OCATION: Naugatuck, CT
SOURCE: FB Incinerator
CEMS ID NO: 1234
DATE CREATED: 04/02/2014 @ 07:29
PERIOD: 01/01/2014 - 03/31/2014

INCIDENT: INVALID OPACITY

DATE	START TIME	END TIME	#MIN LONG	CODE	EXPLANATION	CORRECTIVE ACTION
02/15/14	05:55	05:57	0003	14	RECALIBRATION	N/A
02/16/14	05:55	05:57	0003	14	RECALIBRATION	N/A
02/17/14	05:55	05:57	0003	14	RECALIBRATION	N/A
02/18/14	05:55	05:57	0003	14	RECALIBRATION	N/A
02/19/14	05:55	05:57	0003	14	RECALIBRATION	N/A
02/20/14	05:55	05:57	0003	14	RECALIBRATION	N/A
02/20/14	17:48	21:17	0210	13	PROCESS DOWN	N/A
02/21/14	05:55	05:57	0003	14	RECALIBRATION	N/A
02/22/14	05:55	05:57	0003	14	RECALIBRATION	N/A
02/23/14	05:55	05:57	0003	14	RECALIBRATION	N/A
02/24/14	05:55	05:57	0003	14	RECALIBRATION	N/A
02/25/14	05:55	05:57	0003	14	RECALIBRATION	N/A
02/26/14	05:55	05:57	0003	14	RECALIBRATION	N/A
02/26/14	13:03	13:17	0015	13	PROCESS DOWN	N/A
02/26/14	23:03	23:47	0045	13	PROCESS DOWN	N/A
02/27/14	05:55	05:57	0003	14	RECALIBRATION	N/A
02/28/14	05:55	05:57	0003	14	RECALIBRATION	N/A
02/28/14	13:29	13:31	0003	20	CORRECTIVE MAINTENANCE	ROUTINE MAINTENANCE PERFORMED ON CE
03/01/14	05:55	05:57	0003	14	RECALIBRATION	N/A
03/02/14	05:55	05:57	0003	14	RECALIBRATION	N/A
03/03/14	03:15	03:18	0004	14	RECALIBRATION	N/A
03/03/14	03:23	03:23	0001	16	PRIMARY MONITOR MALFUNCTION	CORRECTIVE MAINTENANCE PERFORMED ON
03/03/14	03:24	03:26	0003	14	RECALIBRATION	N/A
03/03/14	03:42	03:45	0004	14	RECALIBRATION	N/A
03/03/14	03:46	04:17	0032	11	EXCESS DRIFT PRIMARY MONITOR	MANUALLY RECALIBRATE PRIMARY MONITO
03/03/14	04:18	10:02	0345	13	PROCESS DOWN	N/A
03/04/14	05:55	05:57	0003	14	RECALIBRATION	N/A
03/04/14	11:03	12:02	0060	13	PROCESS DOWN	N/A
03/05/14	05:55	05:57	0003	14	RECALIBRATION	N/A
/06/14	00:12	00:28	0017	13	PROCESS DOWN	N/A
3/06/14	05:55	05:57	0003	14	RECALIBRATION	N/A
03/07/14	03:45	04:14	0030	13	PROCESS DOWN	N/A
03/07/14	05:55	05:57	0003	14	RECALIBRATION	N/A
03/08/14	05:55	05:57	0003	14	RECALIBRATION	N/A
03/09/14	05:55	05:57	0003	14	RECALIBRATION	N/A
03/10/14	05:55	05:57	0003	14	RECALIBRATION	N/A
03/11/14	05:55	05:57	0003	14	RECALIBRATION	N/A
03/12/14	05:55	05:57	0003	14	RECALIBRATION	N/A
03/13/14	05:55	05:57	0003	14	RECALIBRATION	N/A
03/14/14	05:55	05:57	0003	14	RECALIBRATION	N/A
03/14/14	08:12	10:01	0110	20	CORRECTIVE MAINTENANCE	ROUTINE MAINTENANCE PERFORMED ON CE
03/14/14	10:02	10:09	0008	14	RECALIBRATION	N/A
03/14/14	10:10	10:10	0001	20	CORRECTIVE MAINTENANCE	ROUTINE MAINTENANCE PERFORMED ON CE
03/14/14	10:11	10:13	0003	14	RECALIBRATION	N/A
03/14/14	10:14	10:15	0002	11	EXCESS DRIFT PRIMARY MONITOR	MANUALLY RECALIBRATE PRIMARY MONITO
03/14/14	10:16	10:18	0003	14	RECALIBRATION	N/A
03/15/14	05:55	05:57	0003	14	RECALIBRATION	N/A
03/16/14	05:55	05:57	0003	14	RECALIBRATION	N/A
03/17/14	05:55	05:57	0003	14	RECALIBRATION	N/A
03/18/14	05:55	05:57	0003	14	RECALIBRATION	N/A
03/19/14	05:55	05:57	0003	14	RECALIBRATION	N/A
03/20/14	05:55	05:57	0003	14	RECALIBRATION	N/A
03/21/14	05:15	05:41	0027	13	PROCESS DOWN	N/A
03/21/14	05:55	05:57	0003	14	RECALIBRATION	N/A
03/22/14	05:55	05:57	0003	14	RECALIBRATION	N/A
03/23/14	05:55	05:57	0003	14	RECALIBRATION	N/A
03/24/14	05:55	05:57	0003	14	RECALIBRATION	N/A
03/25/14	05:55	05:57	0003	14	RECALIBRATION	N/A
03/25/14	06:37	10:31	0235	13	PROCESS DOWN	N/A
03/25/14	22:37	22:44	0008	13	PROCESS DOWN	N/A
03/26/14	05:55	05:57	0003	14	RECALIBRATION	N/A
03/26/14	11:00	11:14	0015	13	PROCESS DOWN	N/A
03/26/14	12:15	14:29	0135	13	PROCESS DOWN	N/A
03/26/14	20:30	22:29	0120	13	PROCESS DOWN	N/A
03/27/14	05:55	05:57	0003	14	RECALIBRATION	N/A
03/27/14	14:14	14:28	0015	13	PROCESS DOWN	N/A
03/28/14	05:55	05:57	0003	14	RECALIBRATION	N/A
03/28/14	07:44	07:47	0004	14	RECALIBRATION	N/A
03/29/14	05:55	05:57	0003	14	RECALIBRATION	N/A
03/30/14	05:55	05:57	0003	14	RECALIBRATION	N/A
/31/14	05:55	05:57	0003	14	RECALIBRATION	N/A
/31/14	08:47	09:25	0039	18	DATA HANDLING SYSTEM MALFUNCTION	ROUTINE MAINTENANCE PERFORMED ON DA

COMPANY NAME: VEOLIA WATER NORTH AMERICA
LOCATION: Naugatuck, CT
SOURCE: FB Incinerator
CEMS ID NO: 1234
DATE CREATED: 04/02/2014 @ 07:29
PERIOD: 01/01/2014 - 03/31/2014

INCIDENT SUMMARY: INVALID OPACITY

CODE#	HOURS	PERCENT	EXPLANATION
11	1.67	2.85	EXCESS DRIFT PRIMARY MONITOR
13	48.95	83.75	PROCESS DOWN
14	5.18	8.87	RECALIBRATION
16	0.02	0.03	PRIMARY MONITOR MALFUNCTION
18	0.65	1.11	DATA HANDLING SYSTEM MALFUNCTION
20	1.98	3.39	CORRECTIVE MAINTENANCE

9.5 hrs. Down

TOTAL HOURS: 58.45

90 days in Q1 2014 = 2160.00
− 48.95
2111.05

$$\frac{2111.05 - 9.5}{2111.05} \times 100 = 99.5\%$$

EXCESS EMISSIONS INCIDENTS REPORT

COMPANY NAME: VEOLIA WATER NORTH AMERICA
LOCATION: Naugatuck, CT
SOURCE: FB Incinerator
CEMS ID NO: 1234
DATE CREATED: 04/02/2014 @ 07:30
PERIOD: 01/01/2014 - 03/31/2014

INCIDENT: HI 1-HR OPACITY (%)

DATE	START TIME	END TIME	#MIN LONG	AVG VALUE	HI/LO VALUE	SET-POINT	DIFF-ERENCE	CODE	EXPLANATION	CORRECTIVE ACTION
01/01/14	NO INCIDENT OCCURRED									
01/02/14	NO INCIDENT OCCURRED									
01/03/14	NO INCIDENT OCCURRED									
01/04/14	NO INCIDENT OCCURRED									
01/05/14	NO INCIDENT OCCURRED									
01/06/14	NO INCIDENT OCCURRED									
01/07/14	NO INCIDENT OCCURRED									
01/08/14	NO INCIDENT OCCURRED									
01/09/14	NO INCIDENT OCCURRED									
01/10/14	NO INCIDENT OCCURRED									
01/11/14	NO INCIDENT OCCURRED									
01/12/14	NO INCIDENT OCCURRED									
01/13/14	NO INCIDENT OCCURRED									
01/14/14	NO INCIDENT OCCURRED									
01/15/14	NO INCIDENT OCCURRED									
01/16/14	NO INCIDENT OCCURRED									
01/17/14	NO INCIDENT OCCURRED									
01/18/14	NO INCIDENT OCCURRED									
01/19/14	NO INCIDENT OCCURRED									
01/20/14	NO INCIDENT OCCURRED									
01/21/14	NO INCIDENT OCCURRED									
01/22/14	NO INCIDENT OCCURRED									
01/23/14	NO INCIDENT OCCURRED									
01/24/14	NO INCIDENT OCCURRED									
01/25/14	NO INCIDENT OCCURRED									
01/26/14	NO INCIDENT OCCURRED									
01/27/14	NO INCIDENT OCCURRED									
01/28/14	NO INCIDENT OCCURRED									
01/29/14	NO INCIDENT OCCURRED									
01/30/14	NO INCIDENT OCCURRED									
01/31/14	NO INCIDENT OCCURRED									
02/01/14	NO INCIDENT OCCURRED									
02/02/14	NO INCIDENT OCCURRED									
02/03/14	NO INCIDENT OCCURRED									
02/04/14	NO INCIDENT OCCURRED									
02/05/14	NO INCIDENT OCCURRED									
02/06/14	NO INCIDENT OCCURRED									
02/07/14	NO INCIDENT OCCURRED									
02/08/14	NO INCIDENT OCCURRED									
02/09/14	NO INCIDENT OCCURRED									
02/10/14	NO INCIDENT OCCURRED									
02/11/14	NO INCIDENT OCCURRED									
02/12/14	NO INCIDENT OCCURRED									
02/13/14	NO INCIDENT OCCURRED									
02/14/14	NO INCIDENT OCCURRED									
02/15/14	NO INCIDENT OCCURRED									
02/16/14	NO INCIDENT OCCURRED									
02/17/14	NO INCIDENT OCCURRED									
02/18/14	NO INCIDENT OCCURRED									
02/19/14	NO INCIDENT OCCURRED									
02/20/14	NO INCIDENT OCCURRED									
02/21/14	NO INCIDENT OCCURRED									

EXCESS EMISSIONS INCIDENTS REPORT

COMPANY NAME: VEOLIA WATER NORTH AMERICA
LOCATION: Naugatuck, CT
SOURCE: FB Incinerator
CEMS ID NO: 1234
DATE CREATED: 04/02/2014 @ 07:30
PERIOD: 01/01/2014 - 03/31/2014

INCIDENT: HI 1-HR OPACITY (%)

DATE	START TIME	END TIME	#MIN LONG	AVG VALUE	HI/LO VALUE	SET-POINT	DIFF-ERENCE	CODE	EXPLANATION	CORRECTIVE ACTION
02/22/14	NO INCIDENT OCCURRED									
02/23/14	NO INCIDENT OCCURRED									
02/24/14	NO INCIDENT OCCURRED									
02/25/14	NO INCIDENT OCCURRED									
02/26/14	NO INCIDENT OCCURRED									
02/27/14	NO INCIDENT OCCURRED									
02/28/14	NO INCIDENT OCCURRED									
03/01/14	NO INCIDENT OCCURRED									
03/02/14	NO INCIDENT OCCURRED									
03/03/14	NO INCIDENT OCCURRED									
03/04/14	NO INCIDENT OCCURRED									
03/05/14	NO INCIDENT OCCURRED									
03/06/14	NO INCIDENT OCCURRED									
03/07/14	NO INCIDENT OCCURRED									
03/08/14	NO INCIDENT OCCURRED									
03/09/14	NO INCIDENT OCCURRED									
03/10/14	NO INCIDENT OCCURRED									
03/11/14	NO INCIDENT OCCURRED									
03/12/14	NO INCIDENT OCCURRED									
03/13/14	NO INCIDENT OCCURRED									
03/14/14	NO INCIDENT OCCURRED									
03/15/14	NO INCIDENT OCCURRED									
03/16/14	NO INCIDENT OCCURRED									
03/17/14	NO INCIDENT OCCURRED									
03/18/14	NO INCIDENT OCCURRED									
03/19/14	NO INCIDENT OCCURRED									
03/20/14	NO INCIDENT OCCURRED									
03/21/14	NO INCIDENT OCCURRED									
03/22/14	NO INCIDENT OCCURRED									
03/23/14	NO INCIDENT OCCURRED									
03/24/14	NO INCIDENT OCCURRED									
03/25/14	NO INCIDENT OCCURRED									
03/26/14	NO INCIDENT OCCURRED									
03/27/14	NO INCIDENT OCCURRED									
03/28/14	NO INCIDENT OCCURRED									
03/29/14	NO INCIDENT OCCURRED									
03/30/14	NO INCIDENT OCCURRED									
03/31/14	NO INCIDENT OCCURRED									

AVAILABILITY REPORT

COMPANY NAME: VEOLIA WATER NORTH AMERICA
LOCATION: Naugatuck, CT
SOURCE: FB Incinerator
CEMS ID NO: 1234
DATE CREATED: 04/02/2014 @ 07:26
PERIOD: 01/01/2014 - 03/31/2014

DATA AVAILABILITY AND VALIDITY

DATE MM/DD/YY	CO @7% (ppmvd) VALID HOURS	%	SOURCE ON-LINE HOURS	%	DAS ON-LINE HOURS	%
01/01/14	24.00	100.0%	24.00	100.0%	24.00	100.0%
01/02/14	24.00	100.0%	24.00	100.0%	24.00	100.0%
01/03/14	23.83	100.0%	23.83	99.3%	24.00	100.0%
01/04/14	21.18	100.0%	21.18	88.3%	24.00	100.0%
01/05/14	24.00	100.0%	24.00	100.0%	24.00	100.0%
01/06/14	18.00	75.0%	24.00	100.0%	24.00	100.0%
01/07/14	24.00	100.0%	24.00	100.0%	24.00	100.0%
01/08/14	24.00	100.0%	24.00	100.0%	24.00	100.0%
01/09/14	23.68	100.0%	23.68	98.7%	24.00	100.0%
01/10/14	23.00	100.0%	23.00	95.8%	24.00	100.0%
01/11/14	23.80	100.0%	23.80	99.2%	24.00	100.0%
01/12/14	24.00	100.0%	24.00	100.0%	24.00	100.0%
01/13/14	23.00	95.8%	24.00	100.0%	24.00	100.0%
01/14/14	24.00	100.0%	24.00	100.0%	24.00	100.0%
01/15/14	24.00	100.0%	24.00	100.0%	24.00	100.0%
01/16/14	23.97	100.0%	23.97	99.9%	24.00	100.0%
01/17/14	21.00	87.5%	24.00	100.0%	24.00	100.0%
01/18/14	24.00	100.0%	24.00	100.0%	24.00	100.0%
01/19/14	24.00	100.0%	24.00	100.0%	24.00	100.0%
01/20/14	24.00	100.0%	24.00	100.0%	24.00	100.0%
01/21/14	24.00	100.0%	24.00	100.0%	24.00	100.0%
01/22/14	19.67	100.0%	19.67	81.9%	24.00	100.0%
01/23/14	24.00	100.0%	24.00	100.0%	24.00	100.0%
01/24/14	23.20	100.0%	23.20	96.7%	24.00	100.0%
01/25/14	24.00	100.0%	24.00	100.0%	24.00	100.0%
01/26/14	24.00	100.0%	24.00	100.0%	24.00	100.0%
01/27/14	24.00	100.0%	24.00	100.0%	24.00	100.0%
01/28/14	24.00	100.0%	24.00	100.0%	24.00	100.0%
01/29/14	24.00	100.0%	24.00	100.0%	24.00	100.0%
01/30/14	24.00	100.0%	24.00	100.0%	24.00	100.0%
01/31/14	22.00	92.5%	23.78	99.1%	24.00	100.0%
02/01/14	24.00	100.0%	24.00	100.0%	24.00	100.0%
02/02/14	24.00	100.0%	24.00	100.0%	24.00	100.0%
02/03/14	24.00	100.0%	24.00	100.0%	24.00	100.0%
02/04/14	14.32	100.0%	14.32	59.7%	24.00	100.0%
02/05/14	24.00	100.0%	24.00	100.0%	24.00	100.0%
02/06/14	18.33	100.0%	18.33	76.4%	24.00	100.0%
02/07/14	24.00	100.0%	24.00	100.0%	24.00	100.0%
02/08/14	24.00	100.0%	24.00	100.0%	24.00	100.0%
02/09/14	24.00	100.0%	24.00	100.0%	24.00	100.0%
02/10/14	23.00	95.8%	24.00	100.0%	24.00	100.0%
02/11/14	24.00	100.0%	24.00	100.0%	24.00	100.0%
02/12/14	24.00	100.0%	24.00	100.0%	24.00	100.0%
02/13/14	24.00	100.0%	24.00	100.0%	24.00	100.0%
02/14/14	19.48	90.7%	21.48	89.5%	24.00	100.0%
02/15/14	24.00	100.0%	24.00	100.0%	24.00	100.0%
02/16/14	24.00	100.0%	24.00	100.0%	24.00	100.0%
02/17/14	24.00	100.0%	24.00	100.0%	24.00	100.0%
02/18/14	24.00	100.0%	24.00	100.0%	24.00	100.0%
02/19/14	24.00	100.0%	24.00	100.0%	24.00	100.0%
02/20/14	20.50	100.0%	20.50	85.4%	24.00	100.0%
02/21/14	24.00	100.0%	24.00	100.0%	24.00	100.0%

COMPANY NAME: VEOLIA WATER NORTH AMERICA
LOCATION: Naugatuck, CT
SOURCE: FB Incinerator
CEMS ID NO: 1234
DATE CREATED: 04/02/2014 @ 07:26
PERIOD: 01/01/2014 - 03/31/2014

DATA AVAILABILITY AND VALIDITY

DATE MM/DD/YY	CO @7% (ppmvd)	VALID HOURS %	SOURCE ON-LINE HOURS	%	DAS ON-LINE HOURS	%
02/22/14	24.00	100.0%	24.00	100.0%	24.00	100.0%
02/23/14	24.00	100.0%	24.00	100.0%	24.00	100.0%
02/24/14	24.00	100.0%	24.00	100.0%	24.00	100.0%
02/25/14	24.00	100.0%	24.00	100.0%	24.00	100.0%
02/26/14	23.00	100.0%	23.00	95.8%	24.00	100.0%
02/27/14	24.00	100.0%	24.00	100.0%	24.00	100.0%
02/28/14	16.00	66.7%	24.00	100.0%	24.00	100.0%
03/01/14	24.00	100.0%	24.00	100.0%	24.00	100.0%
03/02/14	24.00	100.0%	24.00	100.0%	24.00	100.0%
03/03/14	18.25	100.0%	18.25	76.0%	24.00	100.0%
03/04/14	23.00	100.0%	23.00	95.8%	24.00	100.0%
03/05/14	24.00	100.0%	24.00	100.0%	24.00	100.0%
03/06/14	23.72	100.0%	23.72	98.8%	24.00	100.0%
03/07/14	23.50	100.0%	23.50	97.9%	24.00	100.0%
03/08/14	24.00	100.0%	24.00	100.0%	24.00	100.0%
03/09/14	22.98	100.0%	22.98	95.8%	22.00	91.7%
03/10/14	24.00	100.0%	24.00	100.0%	24.00	100.0%
03/11/14	24.00	100.0%	24.00	100.0%	24.00	100.0%
03/12/14	24.00	100.0%	24.00	100.0%	24.00	100.0%
03/13/14	24.00	100.0%	24.00	100.0%	24.00	100.0%
03/14/14	23.00	95.8%	24.00	100.0%	24.00	100.0%
03/15/14	24.00	100.0%	24.00	100.0%	24.00	100.0%
03/16/14	24.00	100.0%	24.00	100.0%	24.00	100.0%
03/17/14	24.00	100.0%	24.00	100.0%	24.00	100.0%
03/18/14	24.00	100.0%	24.00	100.0%	24.00	100.0%
03/19/14	24.00	100.0%	24.00	100.0%	24.00	100.0%
03/20/14	24.00	100.0%	24.00	100.0%	24.00	100.0%
03/21/14	23.55	100.0%	23.55	98.1%	24.00	100.0%
03/22/14	24.00	100.0%	24.00	100.0%	24.00	100.0%
03/23/14	24.00	100.0%	24.00	100.0%	24.00	100.0%
03/24/14	24.00	100.0%	24.00	100.0%	24.00	100.0%
03/25/14	19.95	100.0%	19.95	83.1%	24.00	100.0%
03/26/14	19.50	100.0%	19.50	81.3%	24.00	100.0%
03/27/14	23.75	100.0%	23.75	99.0%	24.00	100.0%
03/28/14	22.00	91.7%	24.00	100.0%	24.00	100.0%
03/29/14	24.00	100.0%	24.00	100.0%	24.00	100.0%
03/30/14	24.00	100.0%	24.00	100.0%	24.00	100.0%
03/31/14	22.00	97.3%	22.62	94.2%	23.40	97.5%

COMPANY NAME: VEOLIA WATER NORTH AMERICA
LOCATION: Naugatuck, CT
SOURCE: FB Incinerator
CEMS ID NO: 1234
DATE CREATED: 04/02/2014 @ 07:26
PERIOD: 01/01/2014 - 03/31/2014

DATA AVAILABILITY AND VALIDITY

DATE MM/DD/YY	CO @7% (ppmvd) VALID HOURS	%	SOURCE ON-LINE HOURS	%	DAS ON-LINE HOURS	%
TOTAL:	2082.17	98.7%	2108.57	97.6%	2157.40	99.9%

COMPANY NAME: VEOLIA WATER NORTH AMERICA
LOCATION: Naugatuck, CT
SOURCE: FB Incinerator
CEMS ID NO: 1234
DATE CREATED: 04/02/2014 @ 07:27
PERIOD: 01/01/2014 - 03/31/2014

DATA AVAILABILITY AND VALIDITY

DATE MM/DD/YY	OPACITY (%) VALID HOURS	%	SOURCE ON-LINE HOURS	%	DAS ON-LINE HOURS	%
TOTAL:	2103.57	99.8%	2108.57	97.6%	2157.40	99.9%

Part 5: Monitoring and Non-Monitoring Equipment Malfunctions

EMU# or Unit ID	Permit Cond. ID	Monitoring System Failure Period				Description and Cause of Monitoring System Failure	Corrective Actions Taken to Remedy Monitoring System Failure	Measures Taken to Prevent Future Monitoring System Failures
		Start		End				
		Date	Time	Date	Time			
52	III.E.21	2/14	05:58	2/14	07:03	Excess Drift Primary Monitor	Manually Calibrate and change Nitrogen bottle- low level	Retrain operators to check gas bottles more often
52	III.E.21	03/03	03:23	03/03	03:23	Primary Monitor malfunction	No action needed	N/A
52	III.E.21	03/03	03:46	03/03	04:17	Excess Drift Primary Monitor	Manually recalibrate	Continued training
52	III.E.21	03/14	10:14	03/14	10:15	Excess Drift Primary Monitor	Manually recalibrate	Continued training
52	III.E.21	03/31	08:47	03/31	09:25	Data Handling System Malfunction	Routine maintenance performed on DAS	PLC has seven day backup capabilities so no information is lost
52	III.E.21							
52	III.E.21							
52	III.E.21							
52	III.E.21							
52	III.E.21							
52	III.E.21							
52	III.E.21							
52	III.E.21							
52	III.E.21							

Part 6: List of Excess Emissions

EMU# or Unit ID	Permit Cond. ID	Deviation Period				Description, Cause or Likely Cause of Deviation	Measured Value of Deviation	Description and Date(s) of Actions Taken to Correct Deviation	Description and Date(s) of Measures Taken to Prevent Future Deviations
		Start		End					
		Date	Time	Date	Time				
52	III.E.21					NONE TO REPORT			

Nutrient Analysis Report

For compliance with General Permit for Nitrogen Discharges

Facility Name: NAUGATUCK TREATMENT Co.
Permit Number: CT0100641

Month: Apr-14
Design Flow: 10.3 MGD

Final Effluent

Plant Name	Sample Date (mm/dd/yyyy)	Average Daily Flow (mgd)	TKN (mg/l)	(Nitrite + Nitrate) (mg/l)	Total Nitrogen (mg/l)	Total Nitrogen (lbs/d)
NAUGATUCK TRE	4/1/2014	9	3.09	3.65	6.7	503
NAUGATUCK TRE	4/2/2014	9.6	4.64	1.91	6.6	528
NAUGATUCK TRE	4/7/2014	8.3	2.07	4.13	6.2	429
NAUGATUCK TRE	4/8/2014	8.1	2.09	5.1	7.2	486
NAUGATUCK TRE	4/9/2014	8.3	1.82	4.34	6.2	429
NAUGATUCK TRE	4/14/2014	6	2.02	4.98	7	350
NAUGATUCK TRE	4/15/2014	9	1.7	5.4	7.1	533
NAUGATUCK TRE	4/16/2014	11	1.84	4.53	6.4	587
NAUGATUCK TRE	4/21/2014	7.56	1.59	4.99	6.6	416
NAUGATUCK TRE	4/22/2014	7.58	1.69	4.22	5.9	373
NAUGATUCK TRE	4/23/2014	7.17	1.57	4.72	6.3	377
NAUGATUCK TRE	4/28/2014	7.03	1.47	3.02	4.5	264
NAUGATUCK TRE	4/29/2014	6.98	1.27	2.97	4.2	244
NAUGATUCK TRE	4/30/2014	8.15	2.92	3.31	6.2	421
					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		5940
				Average Pounds		424.2857143

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 5-8-14
John Bolot

Note: DMR - not available at time of report
will attach next month.

Connecticut Department of
ENERGY &
ENVIRONMENTAL
PROTECTION

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

To: Connecticut Municipalities with Sewage Treatment Facilities
Covered under the General Permit for Nitrogen Discharges

From: Iliana Raffa

Date: April 29, 2014

Subject: Invoice Notification
Purchase or Sale of Equivalent Nitrogen Credits for 2013

The Connecticut Department of Environmental Protection, working with the Nitrogen Credit Advisory Board, has established a Nitrogen Credit Exchange Program and General Permit to comply with Sections 22a-521 through 22a-527 of the General Statutes of Connecticut (The Nitrogen Reduction Program in Connecticut for Long Island Sound).

The Nitrogen Credit Advisory Board established the annual value for an equivalent nitrogen credit at $5.61 for calendar year 2013. This value was derived as specified in Section 22a-527(b) by dividing the total annual project cost for nitrogen removal projects at Connecticut sewage treatment facilities by the reduction in equivalent pounds of nitrogen achieved.

The Department issued a draft ruling on March 24, 2014 proposing formal adoption of the Board's recommended value at $5.61 for an equivalent nitrogen credit in calendar year 2013. Notice of the proposed value of an equivalent nitrogen credit was sent on March 27, 2014 to all those regulated under the General Permit for Nitrogen Discharges. The Department did not receive a petition for review of the proposed value during the 15 business day response period allowed for in the statute the value of $5.61 for an equivalent nitrogen credit in calendar year 2013 is now final.

In accordance with Section 22a-524(c)(1) I am hereby notifying each publicly owned treatment works of their equivalent nitrogen credit balance for calendar year 2013. Enclosed is the final invoice for the purchase or sale of equivalent nitrogen credits for calendar year 2013.

If your municipality removed more nitrogen than was required in the General Permit for 2013, the enclosed invoice itemizes the total credits to be sold. The Nitrogen Credit Exchange will issue a check in the amount shown on the invoice to the Water Pollution Control Authority of the municipality on or before August 14, 2014. No further action is required by the municipality to receive this payment.

If your municipality discharged more nitrogen than allowed by the 2013 limit for the facility in the General Permit the invoice enclosed itemizes the total credits that must be purchased. ***Payment must be made on or before July 31, 2014*** by check stating on its face: "Nitrogen Credit Purchase". Payment should be mailed to:

State of Connecticut, Office of the Treasurer
6th Floor, 55 Elm Street
Hartford, CT 06106
Attn: Clean Water Fund Financial Administrator

If payment of the invoice is not received by July 30, 2014, the municipality's sewage treatment facility will be considered out of compliance with the annual limits of the General Permit and subject to the enforcement provisions of Chapter 446k of the Connecticut General Statutes.

Should you have any questions or believe there is an error on the invoice, please contact Iliana Raffa of the Department's Water Protection and Land Reuse Bureau at (860) 424-3754 or e-mail at (iliana.Raffa@po.state.ct.us).

Long Island Sound Nutrient Reduction Program
FINAL Credit Exchange Invoice - 2013

NAUGATUCK TREATMENT Co.	CT0100641

End-of-Pipe TN Discharged (lbs/day)

January	200
February	205
March	422
April	247
May	238
June	365
July	281
August	245
September	181
October	188
November	185
December	257
Annual Avg	251 (lbs/day)

Credit Exchange Calculation

a. Permit Limit		252.000
b. Annual Avg		251.000
c. E-Factor		0.600
d. Credits	(b - a) x c	-0.600
e. Cost / Credit		5.61
f. Annual Invoice *		**-$1,229**

* Credits(d) x Cost of Credit(e) x 365 days
(negative value indicates payment to municipality)

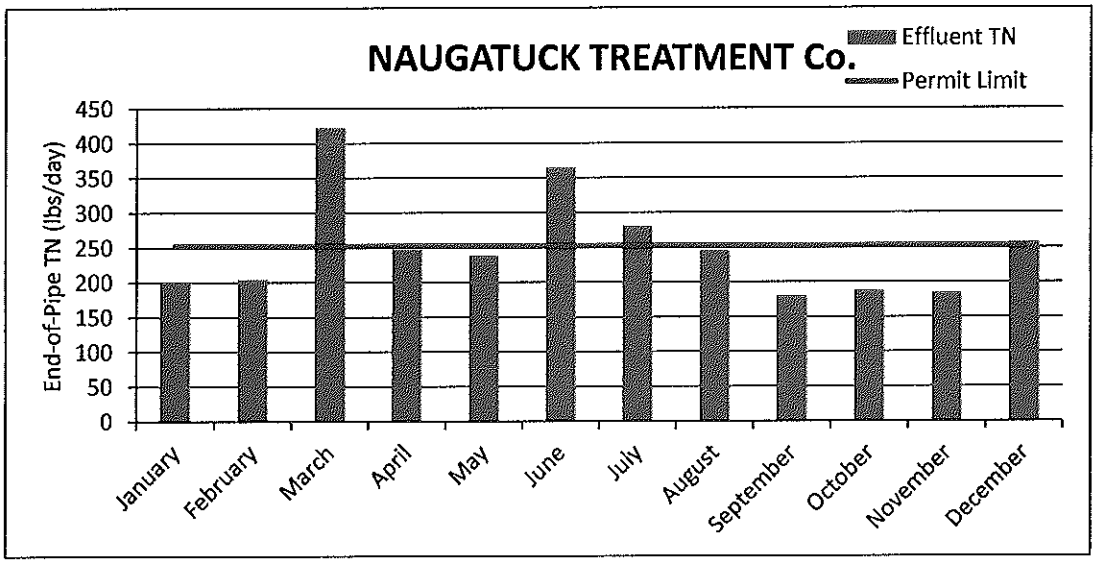
The Commissioner will purchase credits by August 14, 2014, in the amount of:

$1,229

PLEASE SEND PAYMENTS TO:

State of Connecticut, Office of the Treasurer
6th Floor, 55 Elm Street
Hartford, CT 06106
Attn: Clean Water Fund Financial Administator

Monthly Discharge of TN vs. 2013 Permit Limit



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

BYPASS REPORT FORM

City or Town: Naugatuck

Type of Bypass
- X Raw Sewage
- ___ Disinfected Raw Sewage
- ___ Partially Treated Sewage
- ___ Disinfected Partially Treated Sewage
- ___ Sludge Spill
- ___ Other: ___

Location of Bypass
- ___ Treatment Plant
- ___ Pump Station
- X Manhole, ___ Lateral, ___ Basement
- ___ Main, ___ Private

Cause of Bypass
- X Weather Conditions Heavy rain 2.5 inches within 24 hr period
- ___ Mechanical Equipment Failure
- ___ Electric Utility Failure
- ___ Electrical Equipment Failure
- ___ Approved Shutdown
- ___ Limited capacity: ___ Dry weather ___ Wet weather

Blockage of Sewer Line due to:
___ Grease, ___ Roots, ___ Other: ___

Exact Location of By-Pass: Homestead Ave MH 10-37

Date and Time By-Pass was Discovered: 5 / 1 / 2014 7 / 15 AM/PM

Date and Time By-Pass was Stopped: 5 / 1 / 2014 9 / 30 AM/PM

How By-Pass was Discovered: Call in by resident

Quantity/Volume of By-Pass: about 2,000 gallons

How Quantity/Volume was Determined: Visually estimated flow per minute as around 15 gpm

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

Receiving Waters (If Applicable) Naugatuck river

Steps taken to minimize volume and duration of By-Pass: Sewer line jetting

Action taken to eliminate By-Pass: Sewer line jetting

Steps Taken to prevent recurrence of By-Pass: Naugatuck has retained engineering firm to solve I&I issues

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

Method Used: Manual labor

Date of Last Blockage__/ Back up__/ Surcharge ___ at this location: ___/___/___

7/27/2011

BYPASS NOTIFICATION LOG

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

2 hours notification required

DATE/ TIME

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

5/1/8:20 am CT DEEP (860) 424-3704 [(860) 424-3338 (DEEP Emergency Dispatch) only for after hours] DO NOT LEAVE VOICE MAIL MESSAGES

Operator #205 Name of person contacted

___/___ CT Bureau of Aquaculture (203) 874-0696 Option 2 Monday through Friday 8:00 and 4:30 pm (Required only if bypass is south of Interstate Route 95)
_____ Name of person contacted.
After hours/weekend must refer to call list provided by Bureau of Aquaculture
DO NOT LEAVE VOICE MAIL MESSAGES

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

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

___/___ Local Health Department or Regional Health District
_____ Name of person contacted

___/___ Health Director of Contiguous Towns (Coastal Plants Only) or Health Director of Town Downstream (Inland Plants)
___ _____ Name of person contacted

Final report within 5 days

5/2/9:25 am Fax to CT DEEP, Iliana Ayala (860) 424-4067

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

5/2/9:30 am Fax to Local Health Department or Regional Health District (203) 881-3259

Report Submitted by: Chris Malanch Title: Assistant Plant Manager
Signature: [signature] Date: 5/2/2014 Phone # 203-723-1433 ext 2018
Submit Completed Report to either by fax or by mail: State of Connecticut, Department of Energy & Environmental Protection, Water Bureau - Attention: Iliana Raffa, 79 Elm Street, Hartford, CT 06106-5127 Rev. 7/27/2011

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 Iliand Raff CT DEEP

FAX (860) 424-4067

FROM Chris Makuch Naugatuck WPCF

DATE 5/2/2014

PAGES: 3
Including this page

SUBJECT Bypass Report

MESSAGE

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.

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 Naugatuck Valley Health Department

FAX (203) 881-3259

FROM Chris Makuch Naugatuck WPCF

DATE 5/2/2014

PAGES: 3
Including this page

SUBJECT Bypass report

MESSAGE

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* * * Communication Result Report (May. 2. 2014 9:21AM) * * *

1) Veolia Water-NET LLC
2)

Date/Time: May. 2. 2014 9:20AM

File No.	Mode	Destination	Pg(s)	Result	Page Not Sent
3678	Memory TX	18604244067	P. 3	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
605 Ellsworth Street
Naugatuck, CT 06770

Tel: 203-723-1483 / 855-482-1433
Fax: 203-723-6536
www.veoliawaterna.com

Fax

TO Iliana Raff CT DEEP

FAX (860) 424-4067

FROM Chris Mahoney Naugatuck WPCF

DATE 5/2/2014

PAGES: 3
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SUBJECT Bypass Report

MESSAGE

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* * * Communication Result Report (May. 2. 2014 9:22AM) * * *

1) Veolia Water-NET LLC
2)

Date/Time: May. 2. 2014 9:20AM

File No.	Mode	Destination	Pg(s)	Result	Page Not Sent
3679	Memory TX	2038813259	P. 3	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
500 Liberty Street
Naugatuck, CT 06770

Tel: 203-723-1452 / 800-438-1433
Fax: 203-723-6539
www.veoliawaterna.com

Fax

TO Naugatuck Valley Health Department

FAX (203) 881-3259

FROM Chris Mekuch Naugatuck WPCF

DATE 5/2/2014

PAGES: 3
Including this page

SUBJECT Bypass report

MESSAGE

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

BYPASS REPORT FORM

City or Town: _____

Type of Bypass
- X Raw Sewage
- ____ Disinfected Raw Sewage
- ____ Partially Treated Sewage
- ____ Disinfected Partially Treated Sewage
- ____ Sludge Spill
- ____ Other: _____

Location of Bypass
- ____ Treatment Plant
- ____ Pump Station
- ____ Manhole, ____ Lateral, ____ Basement
- ____ Main, ____ Private

Cause of Bypass
- X Weather Conditions Heavy rain 2.5 inches within 24 hrs
- ____ Mechanical Equipment Failure
- ____ Electric Utility Failure
- ____ Electrical Equipment Failure
- ____ Approved Shutdown
- ____ Limited capacity: ____ Dry weather ____ Wet weather

Blockage of Sewer Line due to:
____ Grease, ____ Roots, ____ Other: _____

Exact Location of By-Pass: Manhole 13-92 (last MH before plant)

Date and Time By-Pass was Discovered: 5 / 1 / 2014 3:00 AM/PM

Date and Time By-Pass was Stopped: 5 / 2 / 2014 3:30 AM/PM

How By-Pass was Discovered: Wet well levels and historical data

Quantity/Volume of By-Pass: ~ 515,000 gallons

How Quantity/Volume was Determined: SCADA trending and wet well levels

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

Receiving Waters (If Applicable) Naugatuck River

Steps taken to minimize volume and duration of By-Pass: All equipment placed in service

Action taken to eliminate By-Pass: same as above

Steps Taken to prevent recurrence of By-Pass: The borough has retained an engineering firm to solve I&I issues

Was area of By-Pass cleaned of debris? _____ Yes _____ No N/A

Method Used: _____

Date of Last Blockage __ / Back up __ / Surcharge X at this location: 3 / 12 / 2013

7/27/2011

BYPASS NOTIFICATION LOG

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

2 hours notification required

DATE/ TIME

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

5/1/ 4:45 Am CT DEEP (860) 424-3704 [(860) 424-3338 (DEEP Emergency Dispatch) only for after hours] DO NOT LEAVE VOICE MAIL MESSAGES

Operator # 205 Name of person contacted

___/___ CT Bureau of Aquaculture (203) 874-0696 Option 2 Monday through Friday 8:00 and 4:30 pm (Required only if bypass is south of Interstate Route 95)
_____ Name of person contacted.
After hours/weekend must refer to call list provided by Bureau of Aquaculture
DO NOT LEAVE VOICE MAIL MESSAGES

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

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

___/___ Local Health Department or Regional Health District
_____. Name of person contacted

___/___ Health Director of Contiguous Towns (Coastal Plants Only) or Health Director of Town Downstream (Inland Plants)
___ _____ Name of person contacted

Final report within 5 days

5/1/ 10:50 Am Fax to CT DEEP, Iliana Ayala (860) 424-4067

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

5/1/ 10:55 Am Fax to Local Health Department or Regional Health District (203) 881-3259

Report Submitted by: Chris Malanets Title: Assistant Plant Manager
Signature: [signature] Date: 5/2/2014 Phone # 203-723-4333 ext 2018
Submit Completed Report to either by fax or by mail: State of Connecticut, Department of Energy & Environmental Protection, Water Bureau - Attention: Iliana Raffa, 79 Elm Street, Hartford, CT 06106-5127 Rev. 7/27/2011

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 Iliana Ayala CT DEEP

FAX (860) 424-4067

FROM Chris Malinich Naugatuck WPCF

DATE 5/2/2014

PAGES: 3
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SUBJECT Bypass Report

MESSAGE

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500 Cherry Street
Naugatuck, CT 06770

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

Fax

TO Naugatuck Valley Health Department

FAX (203) 881-3259

FROM Chris Malauch Naugatuck WPCF

DATE 5/2/2014

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SUBJECT Bypass Report

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* * * Communication Result Report (May. 2. 2014 9:45AM) * * *

1) Veolia Water-NET LLC
2)

Date/Time: May. 2. 2014 9:44AM

File No.	Mode	Destination	Pg(s)	Result	Page Not Sent
3682	Memory TX	18604244067	P. 3	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
600 County Street
Naugatuck, CT 06770

Tel 1 203-723-1403 / 203-640-1433
Fax 1 203-723-9533
www.veoliawaterna.com

Fax

TO Diana Ayala CT DEEP

FAX (860) 424-4067

FROM Chris Unbach Naugatuck WPCF

DATE 5/2/2014

PAGES: 3
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SUBJECT Bypass Report

MESSAGE

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* * * Communication Result Report (May. 2. 2014 9:46AM) * * *

1) Veolia Water-NET LLC
2)

Date/Time: May. 2. 2014 9:44AM

File No.	Mode	Destination	Pg(s)	Result	Page Not Sent
3683	Memory TX	2038813259	P. 3	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
Naugatuck, CT 06770

Tel: [illegible]
Fax: [illegible]
www.veoliawater.com

Fax

TO Naugatuck Valley Health Department

FAX (203) 881-3259

FROM Chris Mulrooch Naugatuck WPCF

DATE 5/2/2014

PAGES: 3
Including this page

SUBJECT Bypass Report

MESSAGE

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VEOLIA
WATER

Sent Certified R.R.R. mail #7009 2820 0004 1018 1023 on May 5, 2014

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

May 5, 2014

Re: Aquatic Toxicity Monitoring Report, 2nd Quarter 2014

To Whom It May Concern:

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

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

Sincerely,
Veolia Water North America – Northeast, LLC

John Batorski
Plant Manager

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

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

New England Bioassay, a Division of GZA GeoEnvironmental, Inc.
www.nebio.com

Aquatic Toxicity Monitoring Report (ATMR)
Instruction Form -Municipal

New England Bioassay
a Division of GZA GeoEnvironmental, Inc.

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

Client Name/Project: Phoenix Test Date: 4/10/14

Sample ID: Naugatuck (BG 30035)

Your results were as follows:

☑ Pass

☐ Fail – **Retesting is required within 30 days.** Please proceed according to the instructions in the "Recording and Reporting of Violations" Section of your permit.

☐ Invalid – **Retesting is required within 30 days.** Please proceed according to the instructions in the "Recording and Reporting of Violations" Section of your permit.

☐ Unable to determine using the information available. Please compare results to your permit limits. Please submit a current copy of your permit to the New England Bioassay Laboratory so that we may accurately determine the status of your test results in the future and so that we can confirm that test protocols comply with your permit requirements.

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

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

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

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

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

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

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

NEW ENGLAND BIOASSAY

ATMR COVER SHEET

CLIENT:	**Phoenix Environmental Laboratories**	***D.pulex* TEST ID #:**	14-491A
ADDRESS:	587 East Middle Turnpike	***P.promelas* TEST ID #:**	14-491B
	P.O. Box 370	**COC #:**	C34-1785
	Manchester, CT 06040	**PROJECT #:**	05.0044745.0(
CONTACT:	Ms. Bobbi Aloisa		
SAMPLE:	**Naugatuck WPCF**		

LABORATORY CONTROL WATER		
NEB Lot #:	A34-S004	SRCF
Hardness:	46	mg/L as $CaCO_3$
Alkalinity:	30	mg/L as $CaCO_3$

SAMPLE COLLECTION INFORMATION		
	FROM	TO
DATE:	4/8/2014	4/9/2014
TIME:	12:35 Am	1:34 am

INITIAL CHEMISTRY DATA				TECHNICIAN INITIALS:	PD
Color	Very Light Yellow	Temp. (C)	4.4	Hardness (mg/L)	96
Cond. (umhos/cm)	774	D.O.(mg/L)	8.9	Alkalinity (mg/L)	25
Salinity (ppt)	<1	pH (su)	6.2	TRC (mg/L)	<0.02

INVERTEBRATE

Test Set Up Technician Initials: MV
Test Type: Screen
Test Species: *Daphnia pulex*
Source: New England Bioassay
NEB Lot#: Dp14(4-10)
Age: <24 Hours
Test Solution Volume: 30 ml
Organisms/Test Chamber: 10
Organisms/Concentration: 50
Organisms/Control: 30

START DATE: 4/10/2014 AT 1058
END DATE: 4/12/2014 AT 1051

VERTEBRATE

Test Set Up Technician Initials: MV
Test Type: Screen
Test Species: *Pimephales promelas*
Source: New England Bioassay
NEB Lot#: Pp14(3-27) 1500
Age: 14 (1-14)Days
Test Solution Volume: 700 ml
Organisms/Test Chamber: 10
Organisms/Concentration: 50
Organisms/Control: 30

START DATE: 4/10/2014 AT 1047
END DATE: 4/12/2014 AT 1048

TEST SET UP CONDUCTIVITIES

D.p Control	175	umhos/cm	*P.p* Control	175	umhos/cm
100%	754	umhos/cm	100%	754	umhos/cm

Technician Initials:	*D.pulex*	0 Hour: MV	24 Hour: PD	48 Hour: CW
	P.promelas	0 Hour: MV	24 Hour: PD	48 Hour: CW

RESULTS OF *Daphnia pulex* Screening Test

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

RESULTS OF *Pimephales promelas* Screening Test

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

COMMENTS:

REVIEWED BY: [illegible] DATE: 4/30/14

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

Facility Name: Borough of Naugatuck WPCF NPDES ID: CT0100641 DSN-001-1

Receiving Water: Naugatuck River Waterbody ID: 6900

Sample Collection Date(s): 4/8-9/14

Sample Collection Time: FROM: 12:15 (AM/PM) TO: 1:34 (AM/PM)

8.1 MG flow

TOXICITY TEST SUMMARY (PASS/FAIL)

CONTROL SAMPLE RESULTS (% SURVIVAL)

TEST SPECIES	REPLICATE 1	REPLICATE 2	REPLICATE 3
Daphnia pulex	100%	100%	100%
Pimephales promelas	100%	100%	100%

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

EFFLUENT SAMPLE RESULTS (MEAN % SURVIVAL)

TEST SPECIES	100% Effluent
Daphnia pulex	100%
Pimephales promelas	100%

For Official Use Only

If the mean percent survival for either or both species is less than 90%, the effluent is determined toxic and an additional effluent sample must be collected and the test procedure repeated. The results for all samples must be submitted to the DEP.

STATEMENT OF ACKNOWLEDGEMENT

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

Authorized Official: John Batorski Title: Plant Manager

Signature: John Batorski Date: 5-5-14

AQUATIC TOXICITY MONITORING REPORT (ATMR) – PART 2

Facility Name: Borough of Naugatuck WPCF NPDES ID: CT0100641 DSN-001-1

Dilution Water: Soft Reconstituted Fresh Water (SRCF) Hardness: 50 ± 5 mg/L

Sample Collected On: 4/8-9/14 (date) Received On: 4/10/14 (date)

Test Species: *Daphnia pulex* Source: New England Bioassay Age: < 24 h

Test Duration: 48 hours Beginning: 1058 (am/pm) On: 4/10/14 (date)

Ending: 1051 (am/pm) On: 4/12/14 (date)

Effluent Dilution	Number of Organisms Surviving			Dissolved Oxygen (mg/L)			Temperature (°C)			PH (SU)		
Tech	MV	PD	CW	MV	PD	CW	MV	PD	CW	MV	PD	CW
(%) Hour	00	24	48	00	24	48	00	24	48	00	24	48
100% A	10	10	10	8.9	8.5	8.0	19	21	21	6.9	7.4	7.5
100% B	10	10	10			8.0			21			7.5
100% C	10	10	10			8.0			21			7.5
100% D	10	10	10			8.0			21			7.5
100% E	10	10	10			8.1			21			7.5
CONTROL 1	10	10	10	9.0	8.6	8.0	19	21	21	7.4	7.8	7.7
CONTROL 2	10	10	10			8.1			21			7.7
CONTROL 3	10	10	10			8.2			21			7.7

MEAN SAMPLE SURVIVAL (%)	CONTROL SURVIVAL (%)	#1	#2	#3
[(A+B+C+D+E) /5] X 10 = 100%		100%	100%	100%

REFERENCE TOXICANT RESULTS

SPECIES	DATE	REFERENCE TOXICANT	SOURCE	LC_{50}
Daphnia pulex	4/1/14	Copper Nitrate Lot # 14-0102-004	ACROS/NEB	2.25 µg/L

COMMENTS

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

STATEMENT OF ACKNOWLEDGEMENT

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

Laboratory Official: Kimberly Wills Title: Laboratory Manager

New England Bioassay

Signature: KWills Date: 4/30/14

AQUATIC TOXICITY MONITORING REPORT (ATMR) – PART 2

Facility Name: Borough of Naugatuck WPCF NPDES ID: CT0100641 DSN-001-1

Dilution Water: Soft Reconstituted Fresh Water (SRCF) Hardness: 50 ± 5 mg/L

Sample Collected On: 4/8-9/14 (date) Received On: 4/10/14 (date)

Test Species: *Pimephales promelas* Source: New England Bioassay Age: 14 days

Test Duration: 48 hours Beginning: 1047 (am/pm) On: 4/10/14 (date)

Ending: 1048 (am/pm) On: 4/12/14 (date)

Effluent Dilution	Number of Organisms Surviving			Dissolved Oxygen (mg/L)			Temperature (°C)			pH (SU)		
Tech	MV	PD	CW	MV	PD	MG	MV	PD	MG	MV	PD	MG
(%) Hour	00	24	48	00	24	48	00	24	48	00	24	48
100% A	10	10	10	8.9	7.8	7.6	19	20	20	6.9	6.8	7.0
100% B	10	10	10		7.9	7.9		20	20		6.8	7.0
100% C	10	10	10		7.6	7.8		20	20		6.7	7.0
100% D	10	10	10		7.9	8.0		20	20		6.7	7.0
100% E	10	10	10		7.7	7.6		20	20		6.7	7.0
CONTROL 1	10	10	10	9.0	8.2	7.8	19	20	20	7.4	7.5	7.4
CONTROL 2	10	10	10		7.7	7.7		20	20		7.4	7.4
CONTROL 3	10	10	10		8.1	7.8		20	20		7.4	7.4

MEAN SAMPLE SURVIVAL (%)	CONTROL SURVIVAL (%)	#1	#2	#3
[(A+B+C+D+E) /5] X 10 = 100%		100%	100%	100%

REFERENCE TOXICANT RESULTS

SPECIES	DATE	REFERENCE TOXICANT	SOURCE	LC_{50}
Pimephales promelas	4/1/14	Copper Nitrate Lot # 14-0102-004	ACROS/NEB	118.6 µg/L

COMMENTS

STATEMENT OF ACKNOWLEDGEMENT

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

Laboratory Official: Kimberly Wills Title: Laboratory Manager

New England Bioassay

Signature: Date: 4/30/14

SUPPLEMENTAL CHEMISTRY (PART 2S)

Facility Name: Borough of Naugatuck WPCF **NPDES ID:** CT0100641 **DSN-001-1**

Receiving Water: Naugatuck River **Waterbody ID:** 6900

Sample Collection Date(s): FROM: 4/8/14 TO: 4/9/14

Sample Collection Time(s): FROM: 12:15 (AM/PM) TO: 1:34 (AM/PM)

Effluent Sample at Arrival

Parameter		Effluent Sample
	Tech Initials	PD
	Date & Time	4/10/14 @ 0750
Temperature (°C)		4.4
pH (standard units)		6.2
Alkalinity (mg/L)		25
Conductivity (µS)		774
Hardness(mg/L)/Salinity(ppt)		96/<1
Color:		Very Light Yellow
TRC (mg/L)		<0.02

100% Test Sample

Parameter		*Daphnia pulex*		*Pimephales promelas*	
	Hours	Initial (00)	Final (48)	Initial (00)	Final (48)
Tech Initials		PD	CW	PD	CW
Conductivity (µS)		774	813	774	798
Alkalinity (mg/L)		25	25	25	25
Hardness(mg/L) / Salinity(ppt)		96/<1	98/<1	96/<1	98/<1
TRC (mg/L)		<0.02	<0.02	<0.02	<0.02

0% Test Sample (Control)

Parameter		*Daphnia pulex*		*Pimephales promelas*	
	Hours	Initial (00)	Final (48)	Initial (00)	Final (48)
Tech Initials		MV	CW	MV	CW
Conductivity (µS)		175	184	175	194
Alkalinity (mg/L)		30	35	30	35
Hardness(mg/L) / Salinity(ppt)		46/<1	46/<1	46/<1	48/<1
TRC (mg/L)		<0.02	<0.02	<0.02	<0.02

Laboratory Official: Kim Wills Title: Lab Manager

Signature: [signature] Date: 4/30/14

Aquatic Toxicity Monitoring Report - PART 3

FREQUENCY	MONLOC	UNITS	PARAMETER	MINIMUM LEVEL	RESULT
Each Test	001 T	mg/L	CHROMIUM, Total		0.002
Each Test	001 T	mg/L	COPPER, Total	0.005 mg/L	0.022
Each Test	001 T	mg/L	LEAD, Total	0.005 mg/L	<0.002
Each Test	001 T	mg/L	THALLIUM, Total	0.005 mg/L	<0.002
Each Test	001 T	mg/L	NICKEL, Total		0.021
Each Test	001 T	mg/L	SILVER, Total	0.002 mg/L	<0.001
Each Test	001 T	mg/L	ZINC, Total	0.020 mg/L	0.147
Each Test	001 T	mg/L	ANTIMONY, Total		<0.005
Each Test	001 T	mg/L	SELENIUM, Total	0.005 mg/L	0.008
Each Test	001 T	mg/L	PHENOLS		<0.015
Each Test	001 T	mg/L	MERCURY, Total	0.0002 mg/L	<0.0002

Testing Laboratory: Phoenix Environmental Signature: [signature] Date: 5-1-2014

FOR OFFICIAL USE ONLY:

AQUATIC TOXICITY: *Daphnia pulex* — TGA3D

AQUATIC TOXICITY: *Pimephales promelas* — TGA6C

30035

STATE OF CONNECTICUT ** DEPARTMENT OF ENVIRONMENTAL PROTECTION

Bureau of Water Management: Aquatic Toxicity Monitoring Report - PART 3

NPDES Permit:	CT0100641	Exp:	8/7/06	Phone[1]:	(203) 723-1433
Facility:	Naugatuck WPCF	Contact:	~~James McGrath~~ John Batarski	Phone[2]:	
Address:	500 Cherry Street	Town:	Naugatuck	Zip:	06770

STATEMENT OF ACKNOWLEDGEMENT

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

Authorized Official: John Batarski

Title: Plant Manager

Signature: John Batarski

Date: 5-5-14

Sample Date: 4-8-2014

Sample Day's Flow: 8.10

JAN (APR) JUL OCT (Circle one)

REPEAT MONTH:

FREQUENCY	MONLOC	UNITS	PARAMETER	MINIMUM LEVEL	RESULT
Each Test	001 T	mg/L	BOD, 5 DAY		<4.0
Each Test	001 T	mg/L	SUSPENDED SOLIDS, TOTAL		13
Each Test	001 T	mg/L	AMMONIA, Total		0.24
Each Test	001 T	mg/L	NITRITE, as N		0.01
Each Test	001 T	mg/L	NITRATE, as N		4.58
Each Test	001 T	mg/L	CYANIDE, Total		<0.01
Each Test	001 T	mg/L	CYANIDE, Amenable		<0.01
Each Test	001 T	mg/L	BERYLLIUM, Total	0.001 mg/L	<0.001
Each Test	001 T	mg/L	ARSENIC, Total	0.005 mg/L	0.004
Each Test	001 T	mg/L	CADMIUM, Total	0.0005 mg/L	<0.0002
Each Test	001 T	mg/L	CHROMIUM, Hexavalent		<0.01

Cooler: Yes [X] No [ ]
Coolant: IPK [X] ICE [ ] No [ ]
Temp 6 °C Pg of

PHOENIX
Environmental Laboratories, Inc.

CHAIN OF CUSTODY RECORD

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

Contact Options:
[ ] Fax:
[ ] Phone:
[ ] Email:

Customer: NEOLIA WATER
Address: 500 CHERRY ST EXT.
NAUGATUCK, CT 06770

Project: NAUGATUCK
Report to: TOM DELLER
Invoice to: 2014 - 2nd QTR ATMR

Project P.O: 2014 2nd QTR ATMR

This section MUST be completed with Bottle Quantities.

Client Sample - Information - Identification

Sampler's Signature: T. Deller Date: 4-9-14

Matrix Code:
DW=Drinking Water GW=Ground Water SW=Surface Water WW=Waste Water
RW=Raw Water SE=Sediment SL=Sludge S=Soil SD=Solid W=Wipe
OIL=Oil B=Bulk L=Liquid

Analysis Request

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	AQUATIC TOX	CUBE	Soil VOA Vials [ ] methanol [ ] H_2O	GL Soil container ( ) oz	GL Soil container ( ) oz	40 ml VOA Vial [ ] As is [ ] HCl	GL Amber 1000ml [ ] As is [X] H_2SO_4	PL As is [ ] 250ml [ ] 500ml [X] 1000ml	PL H_2SO_4 [X] 250ml [ ] 500ml	PL HNO_3 250ml	PL NaOH 250ml	Bacteria Bottle
30035	EFFWENT	w/w	4-8-14	24hr	X	X				X	X	X	X	X		

Relinquished by:	Accepted by:	Date:	Time:
T. Deller	[illegible]	4-9-14	8:50
[illegible]	TOM [illegible]	4/9/14	14:11

Comments, Special Requirements or Regulations:
2014 - 2nd QTR ATMR

Turnaround:
[ ] 1 Day*
[ ] 2 Days*
[ ] 3 Days*
[X] Standard
[ ] Other
* SURCHARGE APPLIES

RI
[ ] Direct Exposure (Residential)
[ ] GW
[ ] Other

CT
[ ] RCP Cert
[ ] GW Protection
[ ] SW Protection
[ ] GA Mobility
[ ] GB Mobility
[ ] Residential DEC
[ ] I/C DEC
[ ] Other

MA
[ ] MCP Certification
[ ] GW-1
[ ] GW-2
[ ] GW-3
[ ] S-1
[ ] S-2
[ ] S-3
[ ] MWRA eSMART
[ ] Other

State where samples were collected: CT

Data Format
[ ] Excel
[ ] PDF
[ ] GIS/Key
[ ] EQuIS
[ ] Other

Data Package
[ ] Tier II Checklist
[ ] Full Data Package*
[ ] Phoenix Std Report
[ ] Other

* SURCHARGE APPLIES

Cooler: Yes ☐ No ☐
Coolant: IPK ☐ ICE ☐ No ☐
Temp °C Pg of

PHOENIX *Environmental Laboratories, Inc.*

CHAIN OF CUSTODY RECORD

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

Contact Options:
☐ Fax:
☐ Phone:
☐ Email

Customer: NEB
Address: Manchester

Project:
Report to: Deb Caisse
Invoice to:

Project P.O:

This section MUST be completed with Bottle Quantities.

Client Sample - Information - Identification

Sampler's Signature ______ Date: ______

Matrix Code:
DW=Drinking Water GW=Ground Water SW=Surface Water WW=Waste Water
RW=Raw Water SE=Sediment SL=Sludge S=Soil SD=Solid W=Wipe
OIL=Oil B=Bulk L=Liquid

Analysis Request: Aquatic; Color

Bottle columns: Soil VOA Vials; GL Soil container; GL Soil container; 40 ml VOA Vial; GL Amber 1000ml; PL As Is; PL As Is; PL H2SO4 250ml; PL HNO3 250ml; PL NaOH 250ml; Bacteria Bottle

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	Aquatic		Color
	BG-30235 (Veolia Naugatuck)	WW	4-8-14	—	X	C34-1785	1
	BG-30156 (Stamford)	WW	4-8-14	—	X	C34-1786	1
	BG-30222 (Middletown Sewer)	WW	4-8-14	7:08	X	C34-1787	1
	Veolia Danbury	WW	4-8-14	8:30	X	C34-1788	1

Relinquished by:	Accepted by:	Date:	Time:
[signature]	[signature]	4-10-14	0630
[signature]	[signature]	4-10-14	0750

Comments, Special Requirements or Regulations:

Turnaround:
☐ 1 Day*
☐ 2 Days*
☐ 3 Days*
☐ Standard
☐ Other

* SURCHARGE APPLIES

RI
☐ Direct Exposure (Residential)
☐ GW
☐ Other

CT
☐ RCP Cert
☐ GW Protection
☐ SW Protection
☐ GA Mobility
☐ GB Mobility
☐ Residential DEC
☐ I/C DEC
☐ Other

MA
☐ MCP Certification
☐ GW-1
☐ GW-2
☐ GW-3
☐ S-1
☐ S-2
☐ S-3
☐ MWRA eSMART
☐ Other

Data Format
☐ Excel
☐ PDF
☐ GIS/Key
☐ EQuIS
☐ Other

Data Package
☐ Tier II Checklist
☐ Full Data Package*
☐ Phoenix Std Report
☐ Other

State where samples were collected: CT

* SURCHARGE APPLIES

Cooler: Yes [X] No [ ]
Coolant: IPK [✓] ICE [ ] No [ ]
Temp 6 °C Pg of

PHOENIX Environmental Laboratories, Inc.

CHAIN OF CUSTODY RECORD

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

Contact Options:
[ ] Fax:
[ ] Phone:
[ ] Email:

Customer: VEOLIA WATER
Address: 500 CHERRY ST EXT.
NAUGATUCK, CT 06770

Project: NAUGATUCK
Report to: TOM DELLER
Invoice to: 2014 - 2nd QTR ATMR

Project P.O: 2014 2nd QTR ATMR

This section MUST be completed with Bottle Quantities.

Client Sample - Information - Identification

Sampler's Signature: T. Deller Date: 4-9-14

Matrix Code:
DW=Drinking Water GW=Ground Water SW=Surface Water WW=Waste Water
RW=Raw Water SE=Sediment SL=Sludge S=Soil SD=Solid W=Wipe
OIL=Oil B=Bulk L=Liquid

Analysis Request

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	AQUATIC TOX	CUBE	Soil VOA Vials [ ] methanol [ ] H2O	GL Soil container ( ) oz	GL Soil container ( ) oz	40 ml VOA Vial [ ] As is [ ] HCl	GL Amber 1000ml [ ] As is [X] H2SO4	PL As is [ ] 250ml [ ] 500ml [X] 1000ml	PL H2SO4 [X] 250ml [ ] 500ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle
30035	EFFWENT	WW	4-8-14	24hr	X	X				X	X	X	X	X		

Relinquished by:	Accepted by:	Date:	Time:
T. Deller	[signature]	4.9.14	8:50
[signature]	TOMARR	4/9/14	14:11

Comments, Special Requirements or Regulations:
2014 - 2nd QTR ATMR

Turnaround:
[ ] 1 Day*
[ ] 2 Days*
[ ] 3 Days*
[X] Standard
[ ] Other
* SURCHARGE APPLIES

RI
[ ] Direct Exposure (Residential)
[ ] GW
[ ] Other

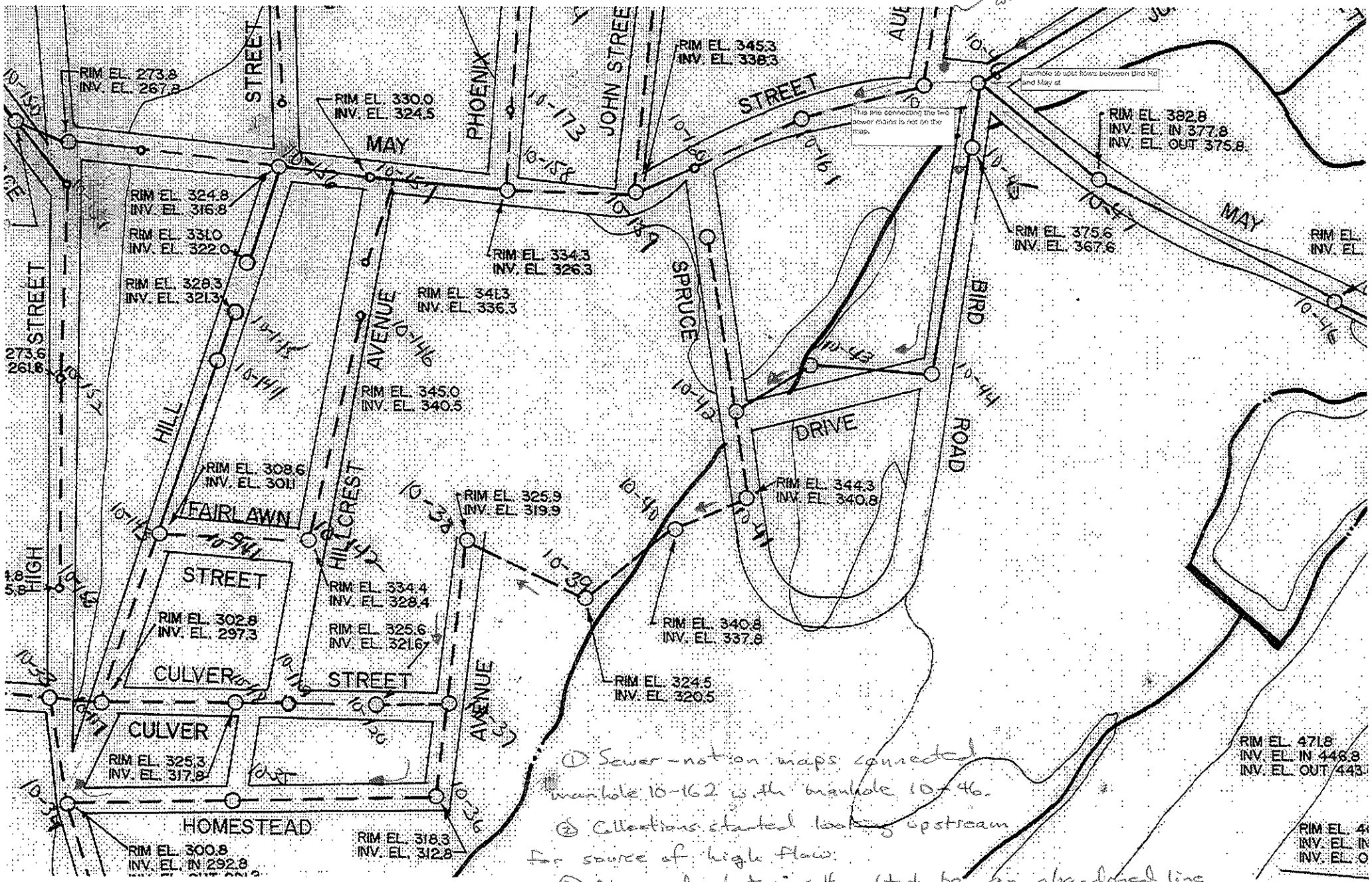
CT
[ ] RCP Cert
[ ] GW Protection
[ ] SW Protection
[ ] GA Mobility
[ ] GB Mobility
[ ] Residential DEC
[ ] I/C DEC
[ ] Other

MA
[ ] MCP Certification
[ ] GW-1
[ ] GW-2
[ ] GW-3
[ ] S-1
[ ] S-2
[ ] S-3
[ ] MWRA eSMART
[ ] Other

Data Format
[ ] Excel
[ ] PDF
[ ] GIS/Key
[ ] EQuIS
[ ] Other

Data Package
[ ] Tier II Checklist
[ ] Full Data Package*
[ ] Phoenix Std Report
[ ] Other
* SURCHARGE APPLIES

State where samples were collected: CT



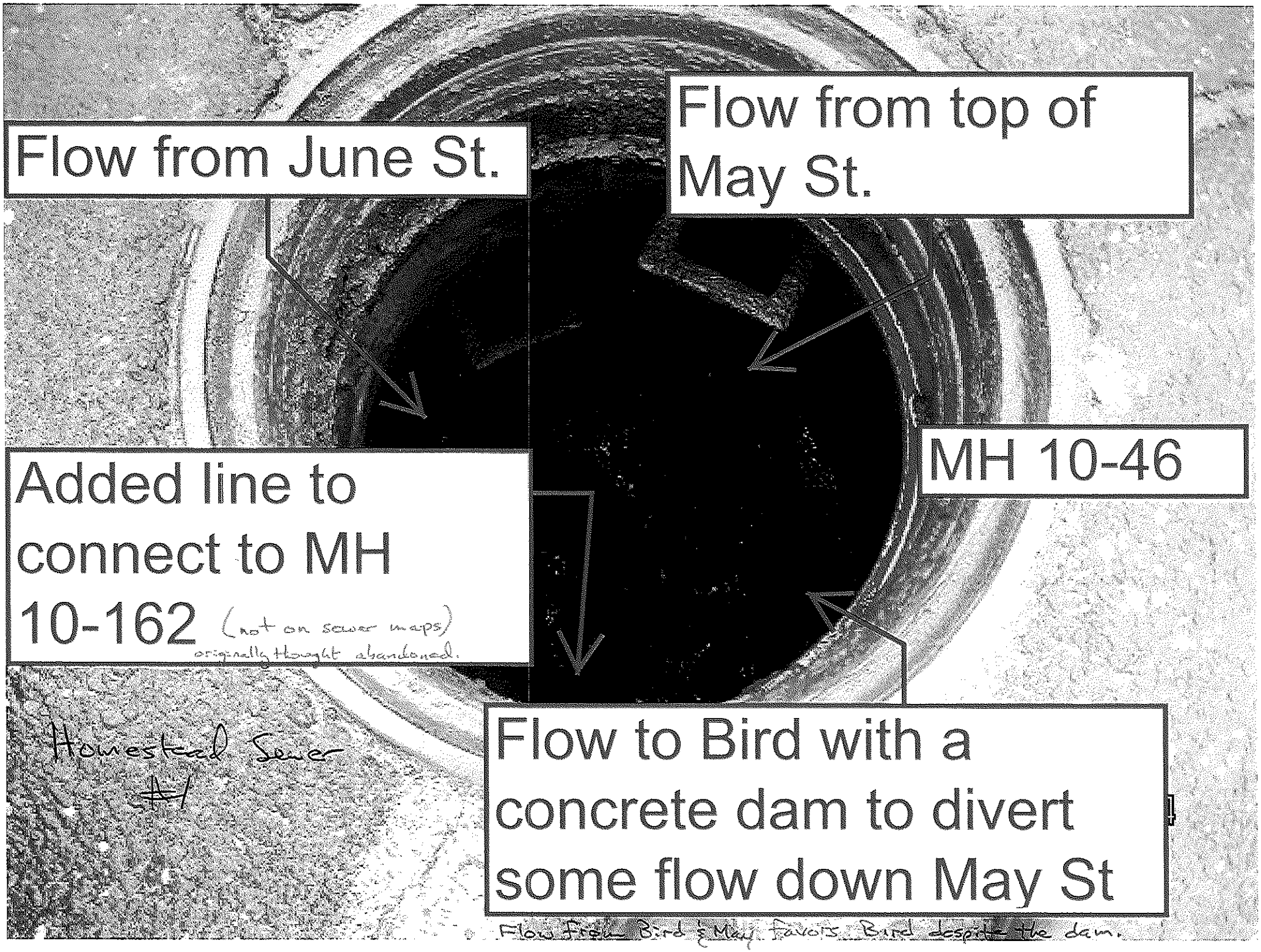
① Sewer-not on maps connected manhole 10-162 with the manhole 10-46.

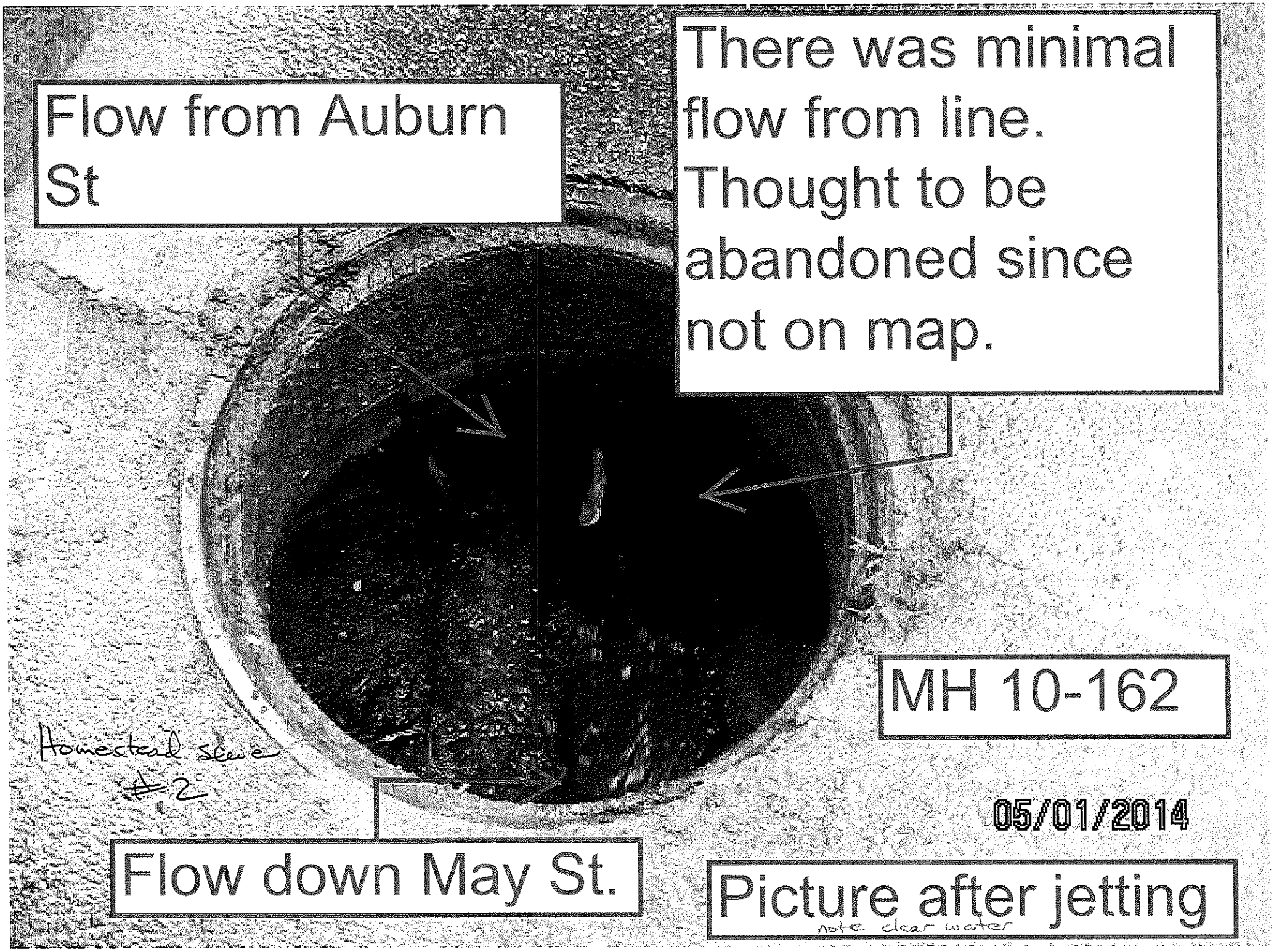
② Collections started looking upstream for source of high flow.

③ Observed what was thought to be an abandoned line, and jetted it - that opened a line and diverted May sewer flow from Bird.

④ Flow favors Bird Street - which goes to Homestead - despite the "dam" in manhole, 10-46.

Homestead "A"


Flow from June St.
Flow from top of May St.
Added line to connect to MH 10-162 (not on sewer maps) originally thought abandoned.
MH 10-46
Homestead Sewer #1
Flow to Bird with a concrete dam to divert some flow down May St
Flow from Bird & May favors Bird despite the dam.


Flow from Auburn St
There was minimal flow from line. Thought to be abandoned since not on map.
MH 10-162
Homestead sewer #2
05/01/2014
Flow down May St.
Picture after jetting
note clear water

The crew went upstream looking for
Hornsted #3
05/01/2014

Lyle Lane May & June contributed to backup
Homestead #4
05/01/2014

Homestead #6
05/01/2014

n to Michael Dalton.
addis now works as a loan officer for a pri-
ly run bank-funded foundation out of Meri-
He previously worked at the city's develop-
t arm, Waterbury Development Corp.

NSTED

-development commissioner
l up with perpetual feuding

is time, William W. Pratt says he is done for
l with the Winsted Economic Development
mission.
att said last week he decided to turn down the
rtunity to be reappointed to the commission.
term expired April 30.
e said Mayor Marsha M. Sterling, who just
ed the selectmen in early April, called him a
regarding what Pratt sees as the successes of
EDC. Winsted is known for its partisan poli-
but in this case both Sterling and Pratt are
ublicans.
This is all political nonsense, and I am just fed
vith it," Pratt said. "Eight years of service to
community, and I get called a liar. It's not go-
to happen anymore ... I am as furious as I can
and I am never going to be of service to this
munity again."
erling could not be reached for comment.
his is not the first time Pratt has been involved
spat with another official while serving on the
. In the early spring of 2012, when he was
chairman, he and former commissioner
ela Banks got into what some perceived as a
er struggle.
anks was one of three members at the time
resigned from the EDC and revived the Rede-
pment Agency, of which Banks was chairman.
uly of last year, when the town was under De-
ratic leadership, Pratt resigned from the EDC
ing in a letter that he had reached the "choking
t with the political gamesmanship ..."
ratt, who was reappointed to the EDC in De-
ber as an alternate member, has been at odds
Town Manager Dale L. Martin about what
EDC's role should be in economic develop-
t.

See BRASS, Page 6B

› OBITUARIES ON PAGES 4-5B

STEVEN VALENTI REPUBLICAN-AMERICAN

Melissa Bernier and her daughter Nicole Bernier both of Prospect hang out with Annabelle, a dog waiting for adoption, at an adoption event on Bank Street in Waterbury on Sunday. The group was Rose Hope Animal Rescue from Waterbury.

UPGRADING SEWAGE PLANT EASIER SAID THAN PAID FOR

BY PAUL SINGLEY
REPUBLICAN-AMERICAN

NAUGATUCK — The borough will spend more than $55 million over the next five years to make improvements to its sewage treatment facility.

Not only do many local officials believe the upgrades are too costly and not fair since they are the result of unfunded state and federal mandates, they also do not know how to pay for them.

The cost of Naugatuck's portion of the upgrades is just about half of what it costs to run the town and school system for a year: Naugatuck's annual budget is $111 million.

There is no feasible way for the borough to pay for the upgrades through its operating budget, even if Naugatuck splits up the payments over the next five years.

The money will likely have to be bonded and paid back with interest.

"We could build a school with this type of money," said Diane Scinto, Board of Finance chairwoman. "I am just beside myself over this. My problem is even if we make these upgrades, we don't know that five years from now they won't hit us with more mandated upgrades."

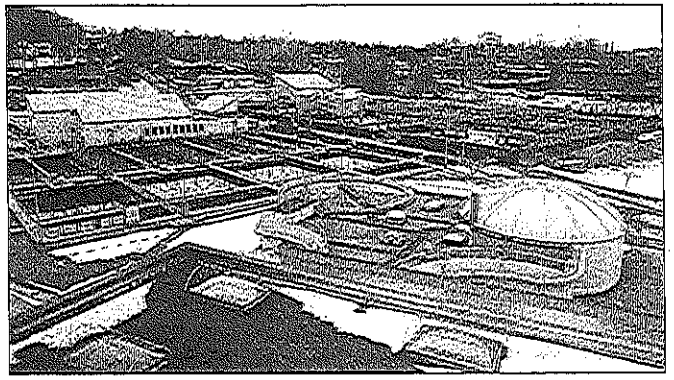
A majority of the money Naugatuck must set aside, $30 million, is for phosphorous removal. The federal government is making wastewater treatment facilities reduce the amount of phosphorus they emit within the next five years.

Phosphorous discharges from wastewater treatment facilities must now be comparable to drinking water.

While Naugatuck's share is about $55 million, the project is actually far more expensive.

All told, it would actually cost about $86 million; Nau-

See SEWAGE, Page 6B



REPUBLICAN-AMERICAN ARCHIVE

A look at Naugatuck's wastewater treatment facility. The borough must spend about $55 million over the next five years to make upgrades required by federal and state regulators.

Cheshire grocery to hire 135

BY LAURESHA XHIHANI
REPUBLICAN-AMERICAN

CHESHIRE — Big Y will hire 135 full- and part-time employees for its newest store in town, the company announced this week.

Big Y Foods Inc., is expected to buy the assets of Everybody's Market at 1021 South Main St. A closing date is scheduled for June 12, according to a statement by the company.

Everybody's Market will operate until the June 12 closing date. Then the 33,200-

See HIRE, Page 6B

REPUBLICAN-AMERICAN

Everybody's in Cheshire will become a Big Y.

Monday through Sunday, according to a statement by the company.

The company has already started the hiring process, opening a hiring site in the same plaza as the store at 1027 South Main St.

Everybody's owner Sam Morris confirmed the sale of

Town records show the 6.7-acre plaza, which includes a 46,966-square-foot building and houses Everybody's and a GNC store, is owned by Capitol Development Associates LLC, with Morris listed as its manager.

Morris also owns a separate 2,454-square-foot build-

bels on shelves and stock its brands. The company is expected to offer "almost daily deliveries of fresh seafood from local waters" and locally grown fruit and produce, when available, according to a press release from the company.

Big Y is the largest inde-

chain of stores owned by Morris's father, Irvin Morris. Irvin Morris started in the business in 1940s, growing it into a chain of stores. He sold the chain and bought back the Cheshire store in the 1990s. Everybody's has been operated by the Morris family since it reopened.

SEWAGE: A case of mandate sticker shock

gatuck's share would be offset by an estimated $10.7 million from Middlebury, which uses Naugatuck's facility, and an amount to be determined from Oxford, which also taps into the system.

No choice but to meet the mandates

Phosphorous is found in fertilizer, some laundry detergents and in dishwashing detergents. Too much phosphorous can trigger algae blooms, reducing the clarity of water.

In extreme cases, this can lead to depletion of oxygen and fish kills, according to the state Department of Environmental Protection.

Nutrient enrichment from nitrogen and phosphorous is one of the most pressing water quality issues in the nation, according to the federal Environmental Protection Agency, which has mandated that all New England states establish phosphorous limits for wastewater treatment discharge permits.

If municipalities do not get a discharge permit, they have to shut down their wastewater treatment facilities.

Mayor Robert A. Mezzo said he's an advocate of improving the environment, but is outraged by the costly mandates.

"I don't think there is a person in Naugatuck who doesn't want to see the environment or the river improve," he said. "But we're talking about an outrageous cost that almost doesn't seem feasible."

He said Naugatuck is trying to determine whether the Water Pollution Control Authority can bond money for such projects. He said the borough has had several discussions with the DEEP about the mandates.

State officials say the mandates come from the EPA, and their hands are tied.

Naugatuck has talked about getting an extension to pay back the money, but Mezzo said that just delays the inevitable, and probably makes the project more expensive in the long run.

Plant upgrades are part of cost

On top of the $30 million price for phosphorous removal, Naugatuck must make upgrades to its incinerator for $5 million, repairs to its siphon system for $5 million and miscellaneous upgrades to its entire plant to meet new federal standards at a cost of about $15 million, said Jim Stewart, Naugatuck Department of Public Works director.

Another $4 million would go toward sewer rehabilitation, he said.

On top of that, there are additional fees of $1.3 million for a facilities plan and $6 million for a design plan, he said. And, the borough would have to set aside $19 million for contingency.

"There is no getting around this," Stewart warned borough officials. "This is something we have to do."

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

in 1

GIVE L

Greater Wa
Litchfie

24-hour online gi

Participating organi

Village Center for the A
Warren Historical So
Warren Public Libr
Washington Environmental Cou
Washington Friends of
Waterbury Hospital
Waterbury Main Stree
Waterbury Neighborhood
Waterbury Symphony Orc
Waterbury Youth Service Sys
Weantinoge Heritage L
Wellmore Behavioral He
Wells Valley Cat Sanctu
Wellspring of B
Western CT Area Agency o
White Memorial Conservatio
Woodbury-Bethlehem Comm

DETAILS: GIVELC

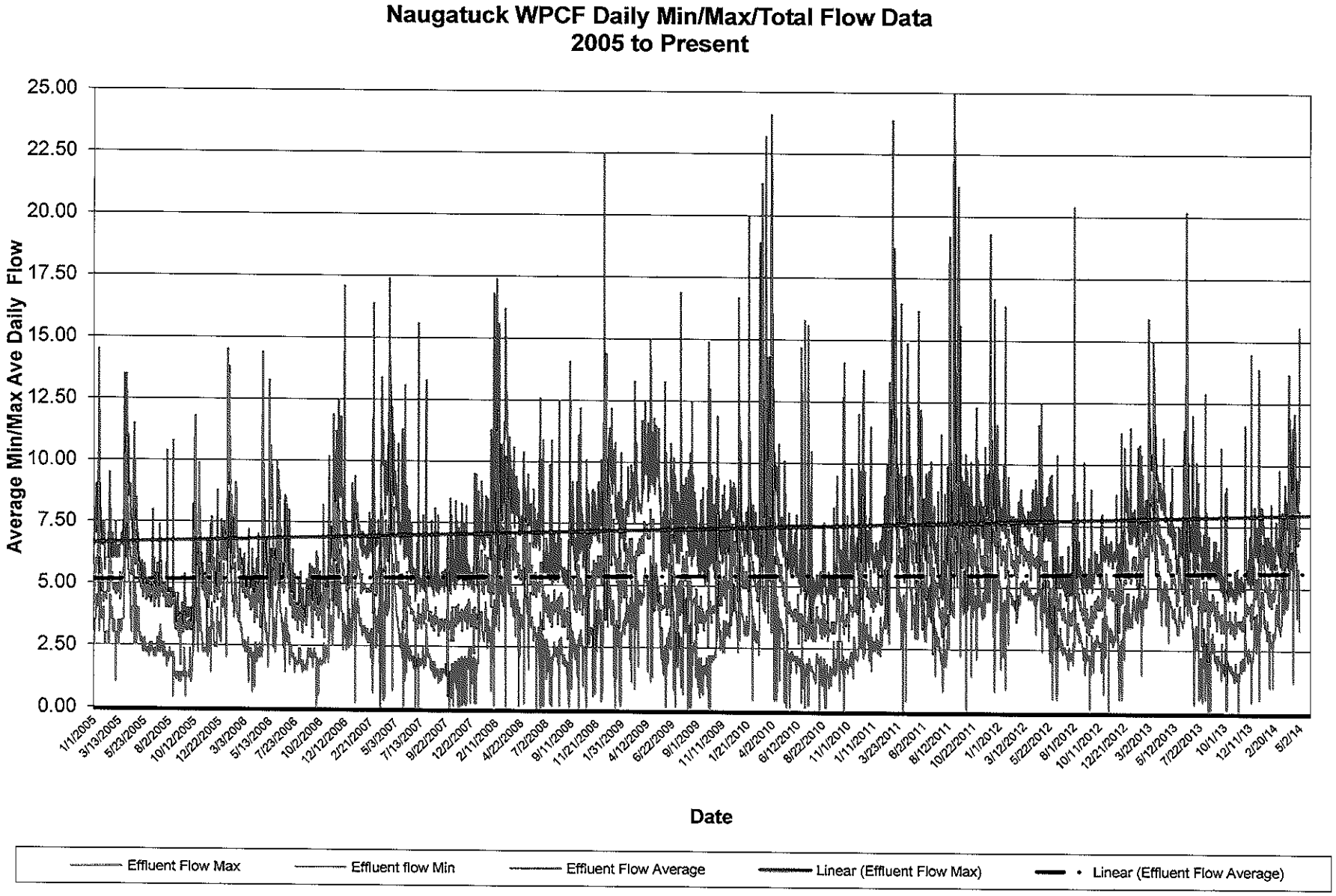
High School Grease
tank cleaning #4

05/07/2014

High School Grease tank
cleaning #2

High School Grease tank
cleaning. #3

High Solid Grease
tank Cleaning
#4
05/07/2014


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
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
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4/22/2008
7/2/2008
9/11/2008
11/21/2008
1/31/2009
4/12/2009
6/22/2009
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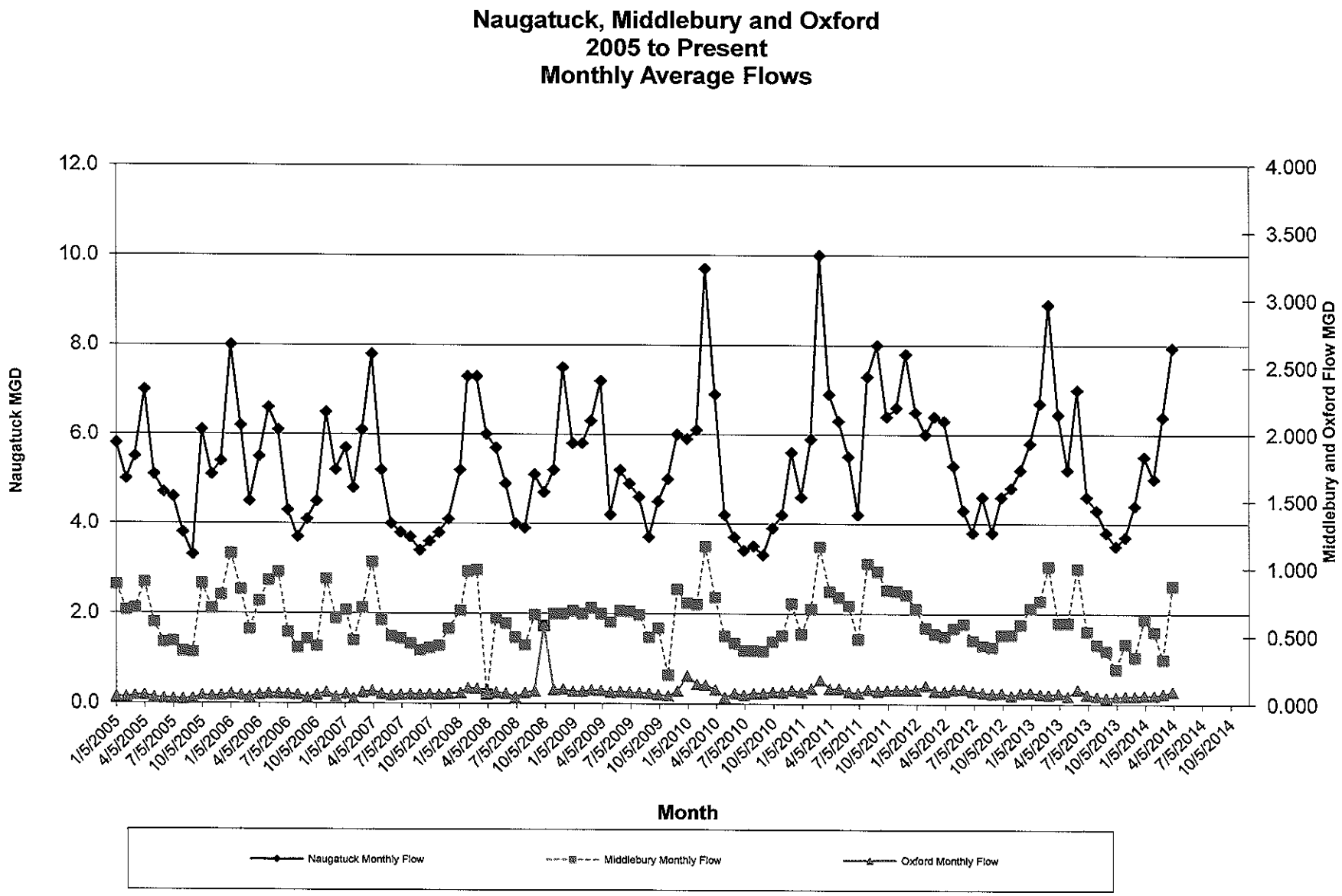
10/11/2012
12/21/2012
3/2/2013
5/12/2013
7/22/2013
10/1/13
12/11/13
2/20/14
5/2/14
Date
Effluent Flow Max
Effluent flow Min
Effluent Flow Average
Linear (Effluent Flow Max)
Linear (Effluent Flow Average)


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
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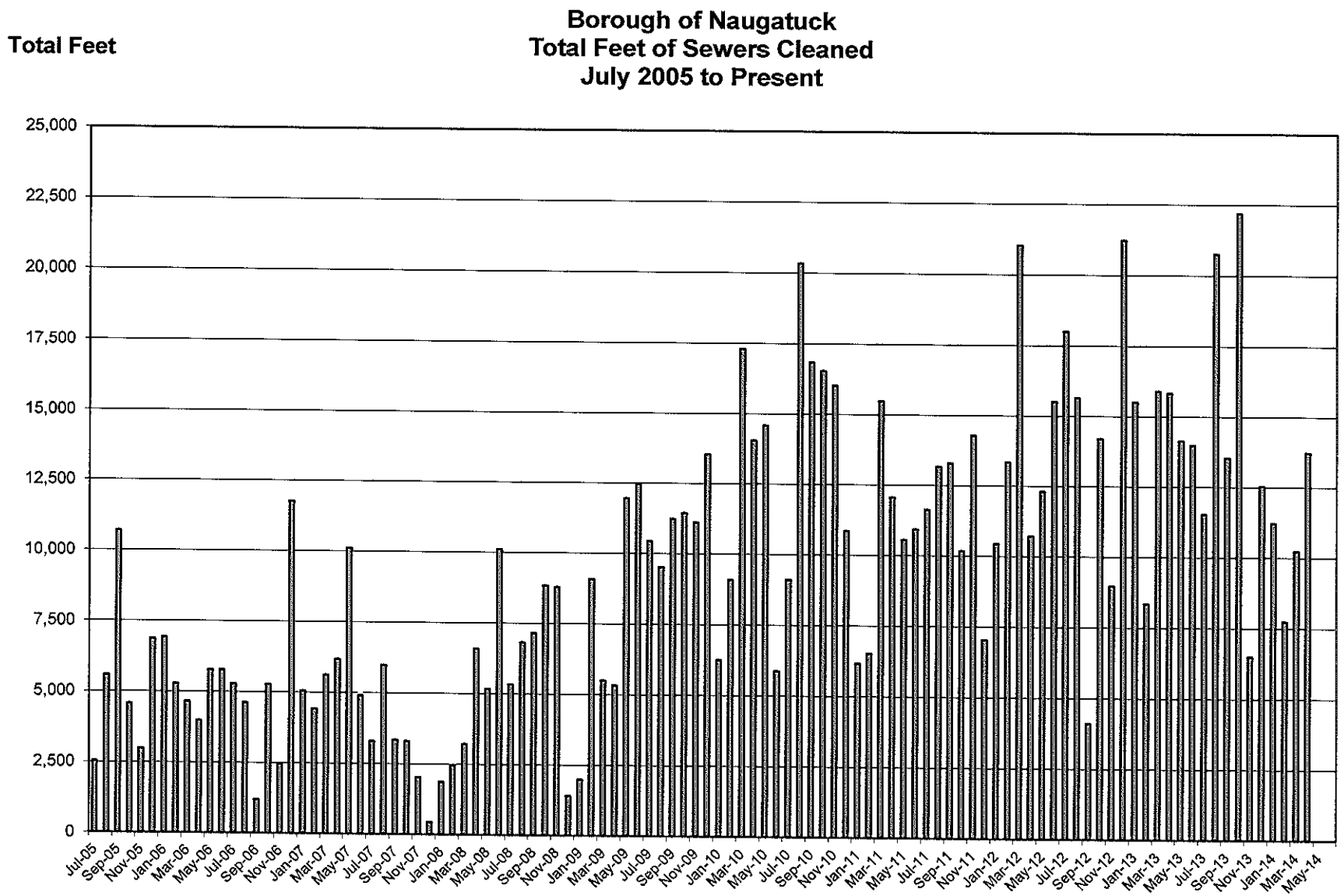
7/5/2014
10/5/2014
Month
Naugatuck Monthly Flow
Middlebury Monthly Flow
Oxford Monthly Flow


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
Jan-07
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Mar-14
May-14

VEOLIA
WATER

Sent via certified mail on May 8, 2014 # 7009 2820 0004 1018 1030

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

May 8, 2014

Re: April 2014 DMR Report for Naugatuck, CT WPCF, NPDES # CT0100641

Dear Sir/Madam:

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

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

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

Sincerely,
Veolia Water North America – Northeast, LLC

John Batorski
Plant Manager

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

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: Apr,2014
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)

	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.	%	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.	solids	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	10.9	7.5	9.0				3,106	97	4.80	0.20	93	0.80	1,184	135,373	48,200		51	30	<4	71	39	6	0.0	4.1	
02	11.9	5.0	9.6				3,612	106	2.50	0.80	105	0.79	12,433	166,416	39,000		62	81	<4	110	310	6	0.0	3.7	
03	11.5	6.5	9.0				4,798	79	2.30	0.80	107	0.81	10,680	174,024	43,500								0.0	3.2	
04	9.3	6.8	8.6				3,580	92	5.00	0.70	112	0.74	156	175,410	53,950								0.0	5.1	
05	10.1	6.5	6.5						2.20	0.90	133		2,595	177,468	10,000										
06	9.1	5.8	7.8						2.40	0.50	130		0	175,752	3,250										
07	8.9	5.8	8.3				3,934	112	2.40	0.60	124	0.73	0	177,468	39,300		95	82	<4	160	87	<5	0.0	4.6	
08	10.0	6.3	8.1				4,434	97	2.20	0.70	115	0.75	1,914	167,333	70,000		58	54	<4	91	87	11	0.0	4.2	
09	10.6	6.5	8.3				4,230	98	2.40	0.60	106	0.77	2,603	187,880	49,250		52	53	<4	61	53	<5	0.0	4.0	
10	10.0	6.3	9.0				4,598	102	5.00	0.60	109	0.90	4,035	175,152	51,650								0.0	3.5	
11	11.5	6.2	8.0				4,774	98	2.30	0.60	128	0.93	3,165	187,800	49,250								0.0	3.2	
12	8.8	1.2	7.0						2.50	0.50	132		3,165	174,835	9,500										
13	8.3	5.2	7.0						5.00	0.00	140		3,165	194,684	0										
14	8.0	5.8	6.0				4,188	107	5.00	0.00	160	0.75	2,552	180,108	57,750		110	36	<4	150	59	<5	0.0	4.0	
15	11.7	5.5	9.0				4,114	105	5.00	0.00	99	0.67	3,055	199,158	33,500		27	70	<4	33	52	<5	0.0	1.9	
16	12.1	8.8	11.0				3,352	105	3.10	0.00	89	0.77	5,404	194,364	54,250		59	58	<4	46	84	<5	0.0	2.2	
17	11.4	8.0	9.0				3,966	125	2.60	0.60	107	0.79	2,688	194,616	67,850								0.0	3.5	
18	9.7	7.0	8.0				3,904	105	2.70	0.50	115	0.76	0	186,164	42,350								0.0	2.1	
19	9.5	6.9	8.0						2.70	0.40	117		5,172	191,064	7,400										
20	9.5	6.3	8.0						2.60	0.40	117		0	187,536	0										
21	8.8	6.1	7.6				3,720	109	2.50	0.50	131	0.68	0	198,492	45,500		79	88	<4	110	70	<5	0.0	1.7	
22	8.8	6.1	7.6				4,378	99	2.20	0.60	130	0.88	2,994	180,900	45,350		150	110	<4	200	97	<5	0.0	5.5	
23	8.4	3.8	7.2				4,578	98	2.20	0.50	133	0.90	3,426	189,300	52,500		91	140	<4	150	83	<5	0.0	3.8	
24	8.3	5.6	7.0				4,612	102	2.20	0.50	135	0.74	3,462	180,900	42,300								0.0	2.2	
25	8.1	5.3	6.8				5,142	88	5.00	0.30	124	0.84	2,131	194,364	57,340								0.0	1.7	
26	9.0	5.5	7.2						3.70	0.30	130		2,131	190,800	4,500										
27	9.4	5.8	7.4						2.10	0.50	125		2,131	183,672	0										
28	8.5	5.4	7.0				4,736	104	2.20	0.60	150	0.92	3,522	198,492	54,000		84	89	<4	91	52	<5	0.0	1.6	
29	9.3	5.1	7.0				4,888	104	2.10	0.70	145	0.76	0	121,849	41,500		99	56	<4	110	51	<5	0.0	1.4	
30	15.6	3.3	8.2				5,058	110	2.20	0.70	124	1.05	9,334	177,131	37,850		90		<4	93		20	0.0	2.5	
TOT			238.1										93,096	5,418,503	1,110,790										
AVG	9.9	5.9	7.9				4,259	102	1.7	1.4	122	0.8	3,103	180,617	37,026		79	73	4	105	86	7	0.0	3.2	

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: 5-8-14

	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				10.1	12.3	1.03	2.19	1.72	3.6	0.170	0.1	0.02	19.5	21.1	3.09	6.8	7.2	6.5	3.0	1.9	3.2	55	61	3.65	0.41	
02	0.00	0.00				10.5	17.5	3.07			1.9			0.04			4.64	6.3	7.4	6.7	4.2		4.8	55	62			
03	0.00	0.00																6.7	7.0	6.5				55	62			
04	0.00	0.00																7.8	7.1	6.5				53	62			
05	0.00	0.00																										
06	0.00	0.00																										
07	0.00	0.00				14.3	19.5	0.28			4.1			0.01			2.07	7.4	7.3	6.5				55	65			
08	0.00	0.00				11.5	13.6	0.28			5.1			0.01			2.09	8.0	7.1	6.4	6.7		6.8	55	67	4.21	0.61	
09	0.00	0.00				11.9	15.3	0.29			4.3			0.01			1.82	6.9	7.0	6.4	4.4		4.7	58	70			
10	0.00	0.00																7.3	7.1	6.5				59	68			
11	0.00	0.00																7.6	7.2	6.4				58	69			
12	0.00	0.00																										
13	0.00	0.00																										
14	0.00	0.00				14.4	22.8	0.19			5.0			<0.01			2.02	6.8	7.2	6.7				60	72			
15	0.00	0.00				6.6	12.5	0.13			5.4			<0.01			1.70	6.7	7.1	6.6	7.3		7.4	60	73	3.41	0.44	
16	0.00	0.00				10.1	15.0	0.09			4.5			<0.01			1.84	6.9	7.0	6.5	5.1		5.6	56	67			
17	0.00	0.00																7.1	6.9	6.4				56	68			
18	0.00	0.00																7.6	7.0	6.5				56	66			
19	34.28	0.51																										
20	48.12	0.72																										
21	53.05	0.84				14.4	18.1	0.15			5.0			<0.01			1.59	7.4	7.2	6.4				58	70			
22	56.32	0.89	0.04	0.00	20	16.1	21.2	0.12			4.2			<0.01			1.69	8.0	7.0	6.5	5.0		5.2	56	68	3.23	0.35	
23	56.97	0.95	0.04	0.00	60	15.5	24.4	0.14			4.7			<0.01			1.57	7.9	7.3	6.7	5.3		5.4	59	68			
24	60.17	1.02	0.04	0.00														7.4	7.3	6.6				59	68			
25	55.18	0.98	0.03	0.00														7.6	7.2	6.6				60	71			
26	56.55	0.94	0.03	0.00																								
27	57.11	0.92	0.04	0.00																								
28	53.10	0.91	0.03	0.00		14.6	17.4	0.23	1.01	<0.01	3.0	0.210	0.0	0.01	23.8	25.9	1.47	7.2	7.2	6.6	5.0	2.6	5.3	60	71			
29	57.46	0.99	0.04	0.00	10	15.7	15.2	0.11			3.0			<0.01			1.27	7.6	7.1	6.6	5.0		5.2	61	71			
30	69.92	1.03	0.04	0.00	40	15.3		0.12			3.3			<0.01			2.92	7.9	7.0	6.5				60	70			
TOT																												
AVG			0.037	0.000	26	12.9	17.3	0.45	1.6	0.9	4.1	0.2	0.1	0.01	21.7	23.5	2.13	7.3	7.1	6.5	5.1	2.3	5.4	57	68	3.62	0.45	

Monthly Total Phosphorus Report

for compliance with NPDES permit

Use this report from April 1st through October 30th

Facility Name: Naugatuck

Permit # : CT0100641

Month of: April, 2014

Sample Date	Flow (mgd)	Effluent Total Phosphorus (mg/l) Max. Daily Limit - - for comparison purposes only	X	Total Phosphorus (lbs/d)
04/01/2014	9.0	3.15	8.34	236
04/02/2014	9.6	4.80	8.34	384
04/08/2014	9.0	6.77	8.34	457
04/09/2014	8.6	4.74	8.34	328
04/15/2014	6.5	7.37	8.34	553
04/16/2014	7.8	5.63	8.34	516
04/22/2014	8.3	5.23	8.34	331
04/23/2014	8.1	5.40	8.34	323
04/28/2014	8.3	5.29	8.34	310
04/29/2014	9.0	5.19	8.34	302

Average Monthly Total Phosphorus Limit (mg/l)	Average Monthly Total Phosphorus (mg/l)	Average Seasonal Load Cap (lbs/d)	Average Monthly Total Phosphorus Load (lbs/d)
	5.36		374

Seasonal Total Phosphorus Report

Average from April 1st through October 30th

for compliance with NPDES permit

Submit this report by November 15th

Permit # CT0100641

Month	Average in lbs/d
April	374
May	
June	
July	
August	
September	
October	

Average Seasonal Load Cap in lbs/d	Seasonal Average in lbs/d
Load Capacity N/A	374

Nutrient Analysis Report

Town/Facility: Naugatuck WWTF

Flow Rate: 9.0 MGD

Sampling Date: 04/01/14

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	10.1		12.3		1.0				
Nitrites	0.17		0.14		0.02				
Nitrates	2.2		1.7		3.6				
TKN	19.5		21.1		3.1				
Total Nitrogen	21.9	1,641	23.0	1,723	6.7	503			69
Orthophosphates	0.8	62			3.0	227			
Total Phosphorus	1.9	143			3.2	236			

Permit # CT0100641

VEOLIA WATER

Naugatuck Plant Samples by Intake Forecast Summary

Sample Date Range 4/1/2014 - 4/30/2014
Forecast Date Range 5/1/2014 - 4/30/2014
Number of Forecast Days: 0

	Forecasted New Intake	Forecasted Total
Beacon Falls Treatment		
Liquid Sludge		
Total Gallons: 182,000	0	182,000
Total Samples for Beacon Falls Treatment: 28		
Bennett Septic		
Septage		
Total Gallons: 215,000	0	215,000
Total Samples for Bennett Septic: 56		
Bill Dunn Sanitation		
Septage		
Total Gallons: 52,000	0	52,000
Total Samples for Bill Dunn Sanitation: 27		
Bill Marek Excavating & Septic Systems		
Septage		
Total Gallons: 42,000	0	42,000
Total Samples for Bill Marek Excavating & Septic Systems: 14		
Bristol		
Cake Sludge		
Total Tons: 686.90	0	687
Total Samples for Bristol: 29		
C&C Septic		
Septage		
Total Gallons: 3,500	0	3,500
Total Samples for C&C Septic: 1		
Casella Beacon, NY		
Cake Sludge		
Total Tons: 26.64	0	27
Total Samples for Casella Beacon, NY: 1		
Casella Chicopee		
Cake Sludge		
Total Tons: 530.63	0	531
Total Samples for Casella Chicopee: 21		
Casella Glen Cove		
Cake Sludge		
Total Tons: 400.25	0	400
Total Samples for Casella Glen Cove: 16		
Casella Suffolk NY		
Cake Sludge		
Total Tons: 1,358.06	0	1,358

Total Samples for Casella Suffolk NY: 51

Casella Westfield MA	Forecasted New Intake	Forecasted Total
Cake Sludge		
Total Tons: 521.99	0	522
Total Samples for Casella Westfield MA: 21		

Casella Yorktown Heights	Forecasted New Intake	Forecasted Total
Cake Sludge		
Total Tons: 47.36	0	47
Total Samples for Casella Yorktown Heights: 4		

Chatfield	Forecasted New Intake	Forecasted Total
Septage		
Total Gallons: 12,000	0	12,000
Total Samples for Chatfield: 15		

East Coast Septic	Forecasted New Intake	Forecasted Total
Septage		
Total Gallons: 196,000	0	196,000
Total Samples for East Coast Septic: 49		

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

Grieger Excavating	Forecasted New Intake	Forecasted Total
Septage		
Total Gallons: 47,500	0	47,500
Total Samples for Grieger Excavating: 19		

Heritage Village Water	Forecasted New Intake	Forecasted Total
Liquid Sludge		
Total Gallons: 58,500	0	58,500
Total Samples for Heritage Village Water: 9		

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: 130,500	0	130,500
Total Samples for Koseski Septic: 44		

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

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

Total Samples for Lynnwood Place: 6

	Forecasted New Intake	Forecasted Total
Mahopac Septic		
Septage		
Total Gallons: 894,000	0	894,000
Total Samples for Mahopac Septic: 150		
Maslar's Party Rentals		
Septage		
Total Gallons: 270	0	300
Total Samples for Maslar's Party Rentals: 1		
New England Septic		
Septage		
Total Gallons: 192,000	0	192,000
Total Samples for New England Septic: 64		
New Hartford		
Liquid Sludge		
Total Gallons: 130,000	0	130,000
Total Samples for New Hartford : 20		
New Rochelle		
Cake Sludge		
Total Tons: 1,687.39	0	1,687
Total Samples for New Rochelle: 70		
North Canaan		
Liquid Sludge		
Total Gallons: 58,500	0	58,500
Total Samples for North Canaan: 9		
Oxbury Sanitation		
Septage		
Total Gallons: 51,000	0	51,000
Total Samples for Oxbury Sanitation: 17		
Pawling		
Liquid Sludge		
Total Gallons: 26,000	0	26,000
Total Samples for Pawling: 4		
Plymouth		
Liquid Sludge		
Total Gallons: 123,500	0	123,500
Total Samples for Plymouth: 19		
Prospect Sanitation		
Septage		
Total Gallons: 45,000	0	45,000
Total Samples for Prospect Sanitation: 18		
Rhinebeck		
Cake Sludge		
Total Tons: 23.49	0	23

Total Samples for Rhinebeck: 2

Shelton Septic	Forecasted New Intake	Forecasted Total
Septage		
Total Gallons: 20,000	0	20,000
Total Samples for Shelton Septic: 10		

Stratford	Forecasted New Intake	Forecasted Total
Liquid Sludge		
Total Gallons: 734,500	0	734,500
Total Samples for Stratford: 113		

Superior Sanitation	Forecasted New Intake	Forecasted Total
Septage		
Total Gallons: 32,500	0	32,500
Total Samples for Superior Sanitation: 21		

Synagro	Forecasted New Intake	Forecasted Total
Liquid Sludge		
Total Gallons: 419,200	0	419,200
Cake Sludge		
Total Tons: 282.49	0	282
Total Samples for Synagro: 81		

Talarico Septic	Forecasted New Intake	Forecasted Total
Septage		
Total Gallons: 275,000	0	275,000
Total Samples for Talarico Septic: 80		

Thomaston	Forecasted New Intake	Forecasted Total
Liquid Sludge		
Total Gallons: 58,500	0	58,500
Total Samples for Thomaston: 9		

Torrington	Forecasted New Intake	Forecasted Total
Liquid Sludge		
Total Gallons: 390,000	0	390,000
Total Samples for Torrington: 60		

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: 372.67	0	373
Total Samples for Veolia Danbury: 16		

Veolia North Haven	Forecasted New Intake	Forecasted Total
Liquid Sludge		
Total Gallons: 130,000	0	130,000
Total Samples for Veolia North Haven: 20		

Veolia Pepsi	Forecasted New Intake	Forecasted Total

Liquid Sludge		
Total Gallons: 11,500	0	11,500
Total Samples for Veolia Pepsi: 2		

Veolia Poughkeepsie	**Forecasted New Intake**	**Forecasted Total**
Liquid Sludge		
Total Gallons: 389,500	0	389,500
Total Samples for Veolia Poughkeepsie: 60		

Veolia Redding	**Forecasted New Intake**	**Forecasted Total**
Liquid Sludge		
Total Gallons: 11,500	0	11,500
Total Samples for Veolia Redding: 2		

Veolia Seymour	**Forecasted New Intake**	**Forecasted Total**
Cake Sludge		
Total Tons: 183.87	0	184
Total Samples for Veolia Seymour: 19		

VES Americas Styrenics	**Forecasted New Intake**	**Forecasted Total**
Industrial Waste Water		
Total Gallons: 5,750	0	5,800
Total Samples for VES Americas Styrenics : 1		

Vogler	**Forecasted New Intake**	**Forecasted Total**
Liquid Sludge		
Total Gallons: 19,500	0	19,500
Total Samples for Vogler: 3		

WeCare Organics	**Forecasted New Intake**	**Forecasted Total**
Cake Sludge		
Total Tons: 211.95	0	212
Total Samples for WeCare Organics: 12		

Westport	**Forecasted New Intake**	**Forecasted Total**
Liquid Sludge		
Total Gallons: 123,500	0	123,500
Total Samples for Westport: 19		

Windham	**Forecasted New Intake**	**Forecasted Total**
Liquid Sludge		
Total Gallons: 286,000	0	286,000
Total Samples for Windham: 44		

Total Gallons for all Customers 4/1/2014 - 4/30/2014: 5,567,720	0	5,567,700
Total Tons for all Customers 4/1/2014 - 4/30/2014: 6,333.69	0	6,334
Total Samples for all Customers 4/1/2014 - 4/30/2014: 1382		

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