

**WATER POLLUTION CONTROL AUTHORITY
REGULAR MEETING MINUTES
SEPTEMBER 15, 2011**

Chairman Ron Merancy called the regular meeting to order at 6:03 PM with the following in attendance:

MEMBERS:

Ron Merancy, Chairman
Catherine Aresta, Secretary
Pat Mallane

OTHERS:

Jim Stewart, Public Works Director
Debbie Lichwalla, Secretary
John Batorski, Veolia Water

ABSENT:

Rimas Balsys, Vice Chairman
Steve Cote

VISITORS:

Earl Lindgren

1. **Ron Merancy opened the meeting with the Pledge of Allegiance.**
2. **Acceptance of the Special Meeting Minutes for June 22, 2011.**

VOTED: Unanimously on a motion by Pat Mallane and seconded by Catherine Aresta to **ACCEPT** the Special Meeting Minutes for June 22, 2011.

VOTE: **In Favor: 3** **Opposed: 0** **Abstained: 0**
Motion Carried: 3-0-0
Minutes Approved.

Regular Meeting Minutes for August 18, 2011 will be added to the regular meeting agenda for October 20, 2011.

VOTED: Unanimously on a motion by Pat Mallane and seconded by Catherine Aresta to **move the acceptance of the Regular Meeting Minutes of August 18, 2011 to the Regular Meeting on October 20, 2011.**

VOTE: **In Favor: 3** **Opposed: 0** **Abstained: 0**
Motion Carried: 3-0-0
Acceptance of Minutes Moved to Next Meeting.

3. **Commission / Discussion Regarding Old Business.**

A. Commission Discussion regarding Old Business on New Haven Road Parcel # 1198, #1202, and 1204 for Joseph DeSomma.

The question: Is it a Town Sewer or a Private Sewer and can he tie into it?

Jim Stewart stated that he referred this to the town attorney to review the history and to get an opinion on who owns what for final approval and has not heard back yet.

Jim Stewart stated that the Mr. DeSomma would like to develop or sell the property for commercial real estate and will eventually tie into the sewer. Is it a town sewer or a private sewer?

Jim Stewart commented that it is his opinion that it is a town sewer and believes we have serviced and maintained it in the past and also stated that it is in the state's right of way and there is isn't any easement on the property where the sewer is. Jim Stewart also commented that they told Rotatori it was a town sewer and he could tie into it and Rotatori paid the connection fee to the Borough. It's unclear on whether or not if he paid an additional fee to LaFlamme. Ron Merancy requested that we research and see if LaFlamme paid a connection fee.

Jim Stewart commented that we are waiting to hear back from the town attorney for his opinion and final approval.

**B. Incineration Facilities Lease Agreement Contract Administration
Memorandum No. IF 2011-1. Date: July 1, 2011.**

Written by ARI. Reviewed and Approved by Jim Stewart, Wayne MacAllister and Veolia. No questions or concerns.

VOTED: Unanimously on a motion by Pat Mallane and seconded by Catherine Aresta to **ACCEPT** the Board to authorize Ron Merancy as Chairman to sign the lease agreement as submitted.

VOTE: In Favor: 3 Opposed: 0 Abstained: 0
Motion Carried: 3-0-0
Approved Document for Signature.

C. Service Contract for Wastewater Treatment System Capital Improvements and Asset Management Contract Administration Memorandum No. SC 2011-1. Date: July 1, 2011.

Reviewed and Approved by Jim Stewart, Wayne MacAllister and Veolia.

VOTED: Unanimously on a motion by Pat Mallane and seconded by Catherine Aresta to **ACCEPT** the Board to authorize Ron Merancy as Chairman to sign the Service Contract for the Wastewater Treatment System as submitted.

VOTE: In Favor: 3 Opposed: 0 Abstained: 0
Motion Carried: 3-0-0
Approved Document for Signature.

3. New Business and Correspondence.

A. Earl Lindgren – 170 Fairview Avenue / Hillside Covenant Church.

VOTED: Unanimously on a motion by Pat Mallane and seconded by Catherine

Aresta for the Water Pollution Control Board to **ACCEPT** the documents presented. The Board has reviewed the documents and there is no action that needs to be taken for a special permit.

VOTE: In Favor: 3 Opposed: 0 Abstained: 0
Motion Carried: 3-0-0
No Action Needed.

4. Meeting went into a brief recess at 6:25 P.M. and reconvened at 6:28 P.M.

5. Correspondence regarding Steve Cote Resignation.

Ron Merancy read the letter regarding Steve Cote’s resignation to the commissioners. The letter will be submitted to the Board of Mayor and Burgesses for a new appointed Commissioner.

6. Veolia Water - Summary of WWTF Operations – August 2011.

This report summarizes the activities at the Borough POTW for August 2011:

1. Highlights and Significant Issues: Record high flows (from heavy rainfall) contributed to Collection System problems. Veolia UGAM (Under Ground Asset Management will smoke test, CCTV and install 24 portable flowmeters in the Collection System. Analytical results were skewed by high flows. Please refer to documents within 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.	-	95
Effluent Avg.	30	6
Removal Efficiency	85%	94%

Plant Process Data*	Limit	Actual
Carbonaceous BOD		
Influent Avg.	-	48
Effluent Avg.	30	4
Removal Efficiency	85%	92%

	Oxford	OTR	Naugatuck	Middlebury
August Flow Avg. (MGD)			7.1	1.035
Sludge Liquid Total (MGal)				0.108
	3.57			
Sludge Cake Total (Dry Tons)				
	5.45			
August Septage Total (MGal)	53,250		35,000	151,050
904,200				
Discharge Permit Exceedance: Fecal coliform				

Safety Incidents and Odor Complaints

	Month	YTD
Recordable Accidents	0	0
Lost Time Accidents	0	0
Odor Complaints	6	23
Unconfirmed Odor Complaints	0	0

1. Compliance & Regulatory Issues

- a. CK Environmental will perform the annual stack/RATA test Sept 27, 2011. The ITT and protocol has been sent to CTDEP
- b. Odor Complaints for August: August 2: three complaints. Aug 15: one complaint, August 20: one complaint, August 30: one complaint. Six total complaints for the month. Wind direction did not correlate with some of the complaints.
- c. There were several high fecal coliform test results in August resulting in a non compliance. The 7 day geo mean was 406 as opposed to the permit max of 400. To sum up, 2 years ago we installed new chlorination/dechlorination analyzers. Up until last month there were zero issues with the system. Although nitrogen analysis was normal, since the calculation is flow based, the lbs/day averages were skewed by high influent flows. The same high flow diluted the influent as well resulting in low influent CBOD.
- d. The chlorine residual QA/QC sample did not pass due to an improper dilution. We will reorder and retest.

2. Personnel

- a. Daryl Masone the Lab Tech has retired on August 26, 2011. Tom Deller has assumed the position. He will perform lab and related plant duties.
- b. We are interviewing candidates for the Instrument Tech position vacated by Joe Pinto, the new Maintenance Planner. We have interviewed perhaps 14 candidates of which 2 had relevant experience. Neither accepted the position. We have interviewed an electrician with an E1 license and relevant mechanical

experience. Tentatively, we would offer the position to that person at the electrician rate. We would then offer training on PLC's to both electricians.

- c. Tom Carey, Collections System Operator has resigned effective Sept. 16, 2011 to accept a position at another facility. The replacement will be hired ASAP.

3. Health & Safety

- a. There were no recordable safety related incidents in August.

4. Operational Information

- a. On August 27 and 28th, Hurricane Irene came through Connecticut. There was no plant damage or any permit compliance issues related to the hurricane other than a raw sewage bypass which was reported. Flows however exceeded 25 MG as the effluent flowmeter is calibrated to 25 MG; it was not able to measure the peak flow. Over 6 inches of rain fell during that period. There were two heavy rainfalls; the first was approximately 5.25 inches in 6 hour period. The second rainfall was 0.82 inches in a similar period. Three collection system pump stations lost power: Platts Mill, Horton Hill, and Hop Brook. There were 78.5 hours of overtime required for this storm event for preparation, and extra staffing during the event. Overtime (preparation/staffing) was as follows: Collections 12.5 hours, Maintenance 34 hours, and Operations 32 hours.
- b. Confined Space training with ECS (Environmental Consulting Service) took place on Monday August 15th.
- c. The reimbursement of the ammonia probes was resubmitted to CTDEP for the third time. We expect approximately \$21,000 as that was the CTDEEP approved amount
- d. NIC Systems, our Systems integrator reports that Allen Bradley will no longer be supporting their PLC 5 units. This will require some investigation as most all SCADA communications are performed by that device.
- e. A small utility vehicle was approved for the facility. The vehicle will be a small Ford transit van as opposed to a pickup.
- f. High flow procedures are on SCADA and will be updated to reflect lessons learned from the most recent event.
- g. Collection system pump station emergency level floats, hour meter replacements are mostly complete.
- h. The two new plant operators are being trained in dewatering and incinerator operations.

5. Collections

- 1) Mike Forish passed his CDL test in August.
- 2) Sept 6 through Sept 16, 2011, UGAM will be onsite to smoke test, CCTV, and install 24 portable flowmeters. They will also perform approximately \$30,000 of point repairs to the collection system. Advertisements were placed in the local newspaper (Public Notice) for the smoke testing, handouts were placed in the doors of the neighborhoods that smoke testing is being performed.

6. Maintenance

- a. TDU repair update: A replacement shaft on the non drive end is scheduled for Sept 6. Haarslev will be onsite and bring the

necessary mechanical equipment to install the shaft and properly torque it.

- b. We are experimenting with using less rakes and plows in the TDU The first of our prototype plows continue to work well (rags do not accumulate) but we are readjusting our design to see if we can get more sludge turn over to increase drying.
- c. The crew continues replacing the ash line outdoors with CPVC pipe in place of the Urethane now in place.
- d. Maintenance is beginning to more clearly use the OWAM system to track work requests and their time. Spare parts are being entered onto the system.
- e. The incinerator exhaust duct was opened and accumulations of ash were removed. The primary heat exchanger inlet was clean. The ash deposits were the result of incorrect freeboard sprays.
- f. The high level transmitter for the venturi water level will be replaced as it was inoperable.
- g. The flow actuator for the TDU condenser is on order as the original unit was inoperable. Once installed the quench spray for the condenser will be temperature controlled. The condenser was using 400 gpm of plant water. We have reduced that flow to 200 gpm. We anticipate further reductions when temperature control is utilized.
- h. Minor welding was required to the venturi discharge. The refractor in the venturi is in reasonable good shape and is inspected quarterly.
- i. The chiller/condenser (gas cooler) for the CEMS system is failing as it is an original unit. A replacement was ordered at approximately \$5,000.

7. Capital Projects

- a. Northeast Utilities indicated the grant for the aeration blower will be reevaluated as the number and size of aeration blowers changed. Jen Muir was issued a PO to reapply for a grant based upon the new airflow requirements. Due to process optimization, ammonia probes, septic diverted to storage tanks, the airflow demands are greatly reduced.

Borough of Naugatuck Collections System Report

Aug-11

Calls for Service:

This Month

2

Year to Date

6

1	8-11-11	36 Hill St	Blockage in main line
2	8-15-11	208 Meadow St	main line blockage
3			

Calls Caused By Collection System:

Reason

1	8-11-11	36 Hill St	Blockage in main line	scheduled for camera work
2	8-15-11	208 Meadow St	Maine line blockage	(8" clean-out cap plugged sewer)

Line Flushing (feet)

This Month

13180

Feet

Year to Date

24820

Feet

1	8-8-11	City Hill School	7-206 to 7-207a	305
2	8-8-11	Casper Ct	6-126a to 6-127	510
3	8-9-11	Bingham St	7-232 to 7-234	315
4	8-9-11	Manners Ave	9-80 to 9-82	210
5	8-9-11	Russell St	9-80 to 9-83	215
6	8-9-11	Manners Ave	9-39 to 9-80	255
7	8-9-11	Spencer St	12-17 to 12-4	400
8	8-10-11	Spring St	2-14a upstream	215
9	8-10-11	Field St	2-34 to 2-35	260
10	8-10-11	Millville Ave	6-115 to 6-167	300
11	8-10-11	Millville Ave	6-115 to 6-116	285
12	8-10-11	N.Hoadley St	6-115 to 6-144	330
13	8-10-11	Vac'd rocks from Mh# 7-20a (RR tracks)		0
14	8-11-11	Hill St	10-117 to 10-33	135
15	8-12-11	Cherry St	9-73 to 12-19	365
16	8-12-11	Spencer St	9-221 to 9-222	550
17	8-15-11	Meadow St	9-212 to Hillside Ave	850
18	8-17-11	Aetna St	9-162 to 9-161	400
19	8-17-11	Meadow St	Hillside to Aldersons	340
20	8-17-11	Meadow St	Aldersons to CT Water	435
21	8-18-11	Bowman Dr	16-49 to 16-55	110
22	8-18-11	General Patton Dr	13-102 to 13-149	550
23	8-23-11	auburn st	10-163 to 10-164	325
24	8-23-11	auburn st	10-164 to 7-232	255
25	8-23-11	fuller st	10-164 to 10-165	185
26	8-23-11	lincoln st	10-164 to 10-70	275
27	8-24-11	spencer st	12-17 to 12-18	400
28	8-28-11	aetna st	9-162 to 9-161	400
29	8-29-11	prospect st	7 7-99 to 7-140	320
30	8-29-11	rockwell ave	7-33 to 7-31	620
31	8-29-11	morning dove rd	14-62 to 14-72	325
32	8-30-11	n.main st	7-70 to 7-286	725
33	8-30-11	n.main st	7-286 to 7-288	580
34	8-30-11	may st	10-159 to 10-161	250
35	8-31-11	margorie st	13-125 to 13-139	125
36	8-31-11	margorie st	13-104 to 13-125	195
37	8-31-11	margorie st	13-104 to 13-105	135
38	8-31-11	laurel ave	13-125 to 13-127	730
39				
40				

Line TV (feet)	This Month
1	0
2	0

Year to Date
0

Root Treatment (chemical or simply use of root cutter)	This Month
Scheduled for Sept 2011	
1	0
2	

Year to Date
0

- Pump Station Inspection/Cleanings:**
- 1 8-11-11 All 5 stations
 - 2 8-19-11 All 5 stations
 - 3 8-26-11 All 5 stations

Vac Truck Information

Days Out In Use

Contract

150

This Month

8

Remaining

132

Fuel Information

Fuel Cost

Fuel Used

\$220.84

52.6 Gal

\$172.53

41.5 Gal

\$232.34

57.0 Gal

\$266.18

66.0 Gal

\$116.71

28.5 Gal

This Months Total

\$1,008.60

245.6 Gallons

Year to Date Gallons

439.9 Gal

Year to Fuel Date Cos

\$1,812.57

Vac truck

Mileage

YTD

Engine Hours

Month Start 138280

Month Start 3002.3

Month End 139956

Month End 3086.6

Total 1676

3084

Total 84.3

Vac Truck Repairs:

Vendor
Repair item
PO & Cost
Vendor
Repair item
Cost

Utility Truck

Fuel Informal

Fuel Cost

Fuel Used

\$111.57

26.6

\$104.14

25.8

Gal

Gal

Gal

Gal

Gallons

Year to Date

Gallons

78.3

Total Year to Date

Fuel Cost

\$324.50

Mileage

Start

End

Total

N/A

This Months

\$215.71

52.4

Highlights

- 8-4-11 Vac'd trough for new ash line pipe.
- 8-5-11 Vac'd trough for new ash line pipe.
- 8-8-11 Vac'd skimmings from primary sump.
- 8-12-11 Adjusted pump height @ Hop Brook station
- 8-15-11 Confine space training
- 8-16-11 H/H alarm & Hr meters installed @ Hop Brook station
- 8-16-11 Aetna St walk through w/ J.Stewart
- 8-20-11 plant clean-up
- 8-22-11 perform pump repair @ maple and may station

5. Adjournment

VOTED: Unanimously on a motion by Pat Mallane and seconded by Catherine Aresta to **ADJOURN** the meeting at 6:54 P.M.

Attest: Catherine Aresta, Secretary/dl