

**WATER POLLUTION CONTROL AUTHORITY
REGULAR MEETING MINUTES
NOVEMBER 15, 2012**

Chairman Ron Merancy called the regular meeting to order at 6:01 PM with the following in attendance:

MEMBERS:

Ron Merancy, Chairman
Catherine Aresta, Secretary
Pat Mallane

OTHERS:

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

ABSENT: Rimas Balsys, Vice Chairman

1. **Ron Merancy opened the meeting with the Pledge of Allegiance.**
2. **New Business and Correspondence.**
 - A. **Commission Discussion Regarding an ARI Memorandum Dated October 19, 2012 on the Monthly Meeting to Discuss Naugatuck Issues.**

Jim Stewart commented that this is an on going item regarding the Facility Plan. Jim explained that he met with Bill Hardy of Kleinfelder and they are going to work on the scope, and then will get together with Veolia and ARI to bring updates to the next WPCA meeting.

- B. **Commission Discussion Regarding an ARI Memorandum Dated October 19, 2012 on Phosphorus Removal and an Update of Planning Level Cost Estimates with Attachments from the State of Connecticut, Blue Water Technologies and Kruger.**

Ron Merancy commented that we are waiting for the State to inform us what the levels will be and also believes that the phosphorus is coming more from the merchant sludge than anything else. Ron asked if anyone balanced the revenue to the merchant sludge versus the multi million dollar deal.

Jim Stewart commented that you have 20 years of payments on the incinerator and if you stop paying, you still have to pay off the incinerator.

Ron Merancy also commented that he believes that the facility plan will have to be reviewed at some point to find out if it is worth continuing.

Jim Stewart commented that the phosphorus still needs to be treated.

3. Old Business.

A. Commission Discussion Regarding a Letter from Veolia Water Dated November 5, 2012 on a Change Order - Installation of High Efficiency Aeration Blowers Status Updated for November 2012.

Jim Stewart commented that this has been submitted to ARI.

John Batorski commented and explained that the reason for the change order contract is that after 5 years we are entitled to an electrical savings. Veolia estimates it to be about a \$20,000. 00 electrical savings and after 5 years you earn the title to a share of that \$20,000.00 and Veolia has to state in writing if you contributed to it and what the electrical savings would be.

Ron Merancy commented that based on the numbers that would need to be reviewed by ARI and Wayne McAllister, Controller for the Borough of Naugatuck.

Ron Merancy asked if we received authorization on the change order and Jim Stewart commented that were waiting for ARI to respond.

4. Acceptance of Regular Meeting Minutes for October 18, 2012.

VOTED: Unanimously on a motion by Pat Mallane and seconded by Catherine Aresta to **ACCEPT** the Regular Meeting Minutes for October 18, 2012.

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

5-A. This report summarizes the activities at the Borough POTW for October 2012:

This report summarizes the activities at the Borough POTW for [October](#) 2012:

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.	-	255
Effluent Avg.	30	6
Removal Efficiency	85%	98%

Plant Process Data*	Limit	Actual
Carbonaceous BOD		
Influent Avg.	-	157
Effluent Avg.	30	4
Removal Efficiency	85%	98%

	Naugatuck	Middlebury	Oxford
OTR			
November Flow Avg. (MGD)	4.6	0.508	0.083
Sludge Liquid Total (MGal)			N/A
3.518			
Sludge Cake Total (Wet Tons)			
5705.8			
Septage Total (MGal)	71,200	51,000	161,750
612,800			
Discharge Permit Exceedance: None			

Safety Incidents and Odor Complaints

	Month	YTD
Recordable Accidents	0	0
Lost Time Accidents	0	0
Odor Complaints	6	38
Unconfirmed Odor Complaints	0	0

1. Compliance & Regulatory Issues

- There were 6 recorded Odor Complaints for October 2012. Five were from the Meadow Brook area.
- Lou Santos was in Oct. 2 for an odor inspection as a result of complaints received from the Meadow brook area.
- CTDEEP received an anonymous odor complaint on Oct 18, 2012. The person alleged that the "odor counteractant has a bad smell and his son refuses to go out and play..." Anita Hill a CTDEEP inspector was on site Oct 26 and did not detect any odors at the plant, neighborhood and cemetery.
- Many CTDEEP reports are attached in this months report.

2. Health & Safety

- a. There were no recordable safety related incidents in October.
- b. Monday, October 15th, Fire Extinguisher Training was provided by Connecticut Fire. A fire drill was also conducted at that time.

3. Operational Information

- a. A weld on #2 sludge storage tank rake arm broke. Removing the tank from service revealed a considerable buildup of rags and grit. The rake arm will be repaired once the rags and grit have been removed.



removed. The picture on the left shows the magnitude of the rag buildup. The white powder is soda ash. Staff applies soda ash which is safe and effective to help minimize odors.

- b. Sunday evening, Oct 14, another section of a truck tarp rail fell into the cake unloading bin. This would be the 8th

time in 4 months that type event has occurred. Pictures have been sent to NEO/Stone documenting this event. Haulers were put on notice that should this type of preventable event occur, they would be charged at the same rate they charge us for demurrage. Staff was called in on overtime to remove the bracket. A small excavator was used to remove the sludge from the bin.

- c. The picture on the left shows a truck liner that fell into the foreign sludge bin on Oct 27, 2012. That was the ninth time in 4 months staff has removed foreign material from the foreign sludge bin. It cost \$600 to rent an excavator with an Operator to dig the sludge out of the bin and pull the liner out. We are preparing a list detailing the costs to remove foreign objects from that bin.



- d. Kathy Luvisi was on site Oct 16th for her annual inspection. She reviewed the annual report, collection system and maintenance records.
- e. The liquid sludge unloading area received new concrete and blacktop (~\$13k). The original unloading area had deteriorated over the years to the point that tripping and slipping hazards were evident. The new concrete and blacktop eliminated those hazards.

- f. Incinerator operations continue at capacity. Uptime averaged 97.8%, capacity utilization was 96.1% average dry ton feed/hour was 3.43 (3.5 is permit max), 80.7 DT/Day was the average feed rate.
- g. Secondary tank #3 was repaired and #4 secondary cross collector broke. Repairs were completed. The Borough placed 3 to 4 inches of millings on the access road starting Oct 15.
- h. The engineering cost to evaluate the incinerator dome replacement remains under evaluation. The proposal will evaluate three domes: an in kind replacement, a steel dome from a different manufacturer and finally a refractory dome. Pricing for the study was not available at the time of this report.
- i. Jackie Miller was onsite Oct 22-24th. She reviewed the hot oil system, new cooler, and met with Wright Pierce regarding the location of the new hot oil cooler. In addition, she reviewed the hot oil system with the staff in two identical 90 minute sessions (due to 24/7 operations). She also recommended when the oil cooler is installed that all flexible hoses be replaced on the hot oil system.

4. Collections

- a. The Hop Brook pump station was partially clogged with an excessive amount of grease. Jim Stewart was contacted to inform him that the grease trap may not be functional.
- b. There was a sewer backup on Millville Ave resulting in some basement damage. A CCTV inspection revealed roots were part of the cause. In addition, the CCTV indicated that many of the laterals on that street will have blockages at roots were observed in many of the laterals. CTDEEP reports were filed.
- c. On October 2nd the Collections crew tried to jet line on Pond Street but could only make it up 20ft. A camera was then sent through the line at which point it was discovered the line had collapsed. Line Webber was called in and line was repaired. Bypass of raw sewage was minimal. A report was submitted to CT DEEP.
- d. Weston and Sampson are working on Inwood Pump Station. They are replacing slide rails and base elbows. They also are replacing the check valves. Work should be completed by the end of October. Our staff has no time for this work.
- e. Throughout the month of October, collections personnel have been working on all pump station generators.
- f. On Oct 28 a sewer backup call was received for 51 Hillside Dr. Manhole 6-177B experienced a minor overflow as a result of the backup. Cleaning revealed the cause as a 4 inch PVC cap. CTDEEP reports were filed.

5. Maintenance

- a. Each Abel sludge cake pump is approximately 10 years old. We are obtaining pricing for additional critical spare parts for the Abel. These pumps operate between 1000 psi to 2200 psi, 24/7. As a result, the components (the hydraulic pump for example) are showing wear.
- b. Northeast Conveyor has been contacted and we will be scheduling installation of replacement liners for the conveyors in the dewatering building (~\$13,700). The inspection/replacement of lines outside will take place later this year or early 2013 due to scheduling conflicts with Northeast Conveyor.
- b. Wednesday October 17th the Red Dump Truck was towed by Sibby's Automotive because of a brake line failure. The quote for repairs to make the truck roadworthy is around \$1,500.00.
- c. A review of existing work orders in OWAM is well underway. Duplicate work orders will be eliminated and many work orders will be combined.
- d. The FAB vibration increased and vibration monitoring indicates the bearings should be changed. Replacement parts cost ~\$9,500 plus installation. The maintenance staff is in the process of planning this job.

- e. All parts are finally in to resolve the communications issues with the fuel oil pump which use device net to communicate with RS Logics. The repairs will be scheduled ASAP.
- f. The original #3 sludge storage tank mixer drive failed (last year the #4 sludge storage tank mixer drive failed). The new pump installation is complete and the pump is in service.
- g. The new raw sewage pump arrived on site. It will require a portable gantry crane (~\$10k) to lower the 2500 lb pump, a new foundation to mount the pump, a new check valve will replace the 40 year old discharge check valve.
- h. The #1 primary cross collector failed. That collector still has FRP chain. New metallic chain was ordered last year and will be installed. That job is in progress.
- i. The original sand discharge piping for the incinerator has been replaced.

6. Capital Projects

- a. The aeration blower energy project is slowly moving along. JK Muir is preparing a letter to CL&P for a revised grant application.

Borough of Naugatuck Collections System Report
Oct-12

Calls for Service: This Month
7

Contract
Year to Date
29

1	Rubber Ave/Pond Street
2	Jessie Camie's Resturant
3	88 Mulbury Street
4	192 Millville Ave
5	111 May Street
6	46 Joseph Street
7	98 Greenwood Street

Calls Caused By Collection System:

	Reason
1	Rubber Ave/Pond Street Collapsed pipe
2	192 Millville Ave Roots & foreign objects

Line Flushing (feet)

	This Month	Year to Date
	14205	52005 Feet
		Feet
1	Gall Drive	100
2	David Street	800
3	Morning Dove Road	750
4	Thistle Down Lane	100
5		280
6	Hazel Ave	250
7		315
8	Laural Ave	380
9		350
10	Marjorie Street	250
11		100
12		225
13	General Dalton Drive	550
14	General Patton Drive	425
15		380
16		300
17		85
18		190
19	Glendale Court	140
20		280
21	East Waterbury Road	100
22		365
23		540
24		100
25		160
26		390
27	Alison Ave	340
28		250
29	Geralden Ave	100
30		285
31		290
32		375
33		100
34		150
35		130
36	Alison Ave	370
37		175
38		125
39	Millville Ave	200
40	Joseph Street	240
41	Beacon Vally Road	580
42	Hillside Ave Easment	100
43	Elm Street Siphon	100
44	Greenwood Street	350
45	Trowbridge Place	385
46		100
47	Ward Street	385
48		850
49		400

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Line	YV (feet)	This Month	Year to Date	Cost
1	Millville Ave	400	550	N/A
2	Greenwood Street	400		
		150		

Line	Root Treatment (chemical or simply use of root cutter)	This Month	Year to Date
1	Millville Ave	250	250

- Pump Station Inspections/Cleaning:
- 1 10/01/2012 Checked Hop Brook - Pump 2 dead and force main plugged.
 - 2 10/03/2012 Cleaned Hop Brook force main. American Rooter came with mini jetter.
 - 3 10/04/2012 Checked all 5 stations. Replaced pump 2 at Hop Brook
 - 4 10/08/2012 Checked Horton Hill - Pulled pump that had a sock jammed in it.
 - 5 10/12/2012 Checked all 5 stations.
 - 6 10/17/2012 Took ARI to all 5 stations.
 - 7 10/19/2012 Checked all 5 stations. Put new batteries in back up generators at Maple & May and Platts Mill.
 - 8 10/26/2012 Checked all 5 stations
 - 9 10/30/2012 Checked all 5 stations after Hurricane Sandy

Line	Root Treatment (chemical or simply use of root cutter)	This Month	Year to Date
1	Millville Ave	250	250

Fuel Information	Fuel Cost	Fuel Used	Total Year to Date Gallons	Year Date Gallons	Year Date Cost
	\$225.00	51.5 Gal	256.1 Gal		
	\$241.00	55.2 Gal			
	\$160.00	34.3 Gal			
	\$183.00	42.6 Gal			
This Months Total	\$799.00	183.6 Gallons			

Vac Truck	Mileage	Engine Hours	YTD
	Month Start 156335.1	Month Start 3905	
	Month End 157466.3	Month End 4009.5	
	Total 1131.2	Total 104.5	257

Vac Truck Repairs:

Utility Truck	Fuel Cost	Fuel Used	Total Year to Date	Year Date Gallons	Year to Date Fuel Cost
	\$127.01	29.07 Gal	111.69		
	\$111.00	25.4 Gal			
This Months Total	\$238.01	54.47 Gallons			\$484.01

Mileage

Highlights

- 10/01/2012 Fixed lid that was making a lot of noise on Walnut Street that a resident called about.
- 10/02/2012 G&L Construction fixed collapsed pipe at Rubber Ave/Pon Street intersection. We did the bypass with the Vac Truck.
- 10/07/2012 Pumped down Primary Clarifier Skimmings.
- 10/09/2012 Replaced the high velocity cleaning hose on the Vac Truck.
- 10/10/2012 Pulled reflective markers out of manhole on Hazel Ave that we found jammed in there.
- 10/12/2012 Put a new battery and radiator cap on backup generator at Hop Brook pump station.
- 10/14/2012 Called in for Storage Tank #4 overflow. Stayed to get bow that fell into Fortgen Sludge Bin from truck.
- 10/15/2012 Worked on vaccing out Storage Tank #2. Had monthly safty meeting and fire extinguisher training.
- 10/16/2012 Worked on vaccing out Storage Tank #2.
- 10/17/2012 Replaced battery at Horton Hill pump station back up generator. Red dump truck had to be towed. Brake line went bad. Red dump truck had to be towed. Brake Helped operations clean up rag mess from Storage Tank #2.
- 10/19/2012 Changed coolant in back up generator at Hop Brook.
- 10/22/2012 Repaired reel brake strap on Vac Truck. Cleaned catch basin at dump area. Westin & Sampson worked at Inwood Pump Station.
- 10/23/2012 Worked on Vac Truck dashboard. Checked 34 Cardinal Lane for homeowner that smelled sewage. Got flat tire replaced on Vac Truck.
- 10/25/2012 Vac Truck PM and cleanup. Put Soda Ash on rag dumpsters. Met with Dezel paving for a ring on a lid they uncovered. Vaced out sump in Primary Clarifier #2.
- 10/26/2012 Superior fuel filled backup generator at Maple & May.
- 10/27/2012 Tree removal at Maple & May
- 10/30/2012 Unplugged drains at the Dog Pound.

5-B. John Batorski commented that Inspector, Lou Santos of the DEEP Bureau of Air Management was in the plant multiple times in October to do an odor inspection and explained that the notice of violation # 17013 that Lou Santos gave Veolia was for a few pin hole leaks in the duct work leading to the electrostatic precipitator.

6. Commission Discussion regarding the December 20, 2012 Regular Meeting.

VOTED: Unanimously on a motion by Pat Mallane and seconded by Catherine Aresta to **ADD TO AGENDA**, A Discussion Regarding December 20, 2012 Regular WPCA Scheduled Meeting.

VOTED: Unanimously on a motion by Pat Mallane and seconded by Catherine Aresta to **CANCEL** the December 20, 2012 Regular Scheduled WPCA Meeting.

VOTE: **In Favor: 3** **Opposed: 0** **Abstained: 1**
 Motion Carried: 3-0-1

7. Adjournment.

VOTED: Unanimously on a motion by Pat Mallane and seconded by Catherine Aresta to **ADJOURN** the meeting at 6:38 P.M.

Attest: Catherine Aresta, Secretary/dl