

**WATER POLLUTION CONTROL AUTHORITY
REGULAR MEETING MINUTES
MAY 17, 2012**

Chairman Ron Merancy called the regular meeting to order at 6:00 PM with the following in attendance:

MEMBERS:

Ron Merancy, Chairman
Rimas Balsys, Vice Chairman
Catherine Aresta, Secretary
Pat Mallane

OTHERS:

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

VISITORS: Michael Doro, LP & Sons
Jose Doro, LP & Sons

1. **Ron Merancy opened the meeting with the Pledge of Allegiance.**
2. **New Business and Correspondence.**
 - A. **Commission Discussion / Decision Regarding an Approval on a Proposed Sewer Connection to an Existing Main Line for Property Located on Rubber Avenue Extension – Lot 4A with Michael and Jose Doro of LP & Sons / Homeowners.**

Michael and Jose Doro of LP & Sons / Homeowners of Rubber Avenue Extension, Lot 4A are looking for approval to connect a new lateral from Lot 4A to the existing lateral on Rubber Avenue, house # 1123. The sewer main is located in Long Meadow Brook. Alternately, the lateral would need to be connected to the sewer main in the brook. The proposed connection at the manhole is not on the applicant's property or within the lot 4A sewer easement.

Michael Doro previously spoke with Wayne Zirolli, Borough Engineer and Keith Rosenfeld, Town Planner. They agreed that connecting into the manhole that lies in the adjacent Long Meadow Pond Brook would present a number of potential negative impacts to the watercourse and should be avoided. They also discussed that tapping into the neighbor's sewer line via an existing easement and putting in clean outs would ensure that the pipe stays clean and free flowing.

WPCA will approve the shared lateral contingent upon the shared lateral being at least 6" in diameter and the Applicant obtaining an Easement/Maintenance Agreement from the owner of house # 1123 acceptable to the Borough Attorney. Chairman, Ron Merancy advised Michael Dora that the easement would need to be part of his deed and that he would also be responsible to pay a connection fee.

The Engineering Department can approve the connection when the applicant has provided all necessary information.

B. Commission Discussion on a Letter dated April 23, 2012 from Veolia Water Regarding a Change Order – Installation of High Efficiency Aeration Blowers.

John Batorski sent a letter to the WPCA asking for approval on the installation of 2 high efficiency air blowers which will use less power. Veolia would be using a grant from the power company to pay for 50% of it.

Jim sent the letter to ARI for Review.

C. Commission Discussion on a Letter dated May 3, 2012 from ARI Regarding the Review of the VWNA Capital Modification Request for Installation of High Efficiency Aeration Blowers.

The subject of the letter was related to the installation of the high efficiency air blowers that Veolia is asking for approval on. ARI is requesting more information on the cost savings and future savings that the Borough can possibly receive.

John Batorski, stated that by installing the air blowers, the five hundred thousand plan would save fifty thousand a year in electrical cost and it would be paid off in five years. Jim Stewart stated that the contract says if Veolia proposes improvements to save money the Borough would get a portion of it.

Veolia is waiting for an approval for an extension. No definite course of action is being taken at this point.

D. Commission Discussion Regarding Veolia Water's New Truck Route.

The road has been completed and is up and running with no issues. Jim Stewart stated no money has been received yet from the capital budget for paving.

E. Commission Discussion on Correspondence dated April 26, 2012 from Chemtura Regarding the Discharge Monitoring Report for March 2012.

No Ramifications and No Discussion.

F. Commission Discussion on a Memorandum dated May 10, 2012 from ARI Regarding the EPA Regulations for Emissions from Sewage Sludge Incinerators – Denial of Petition.

This letter is regarding the regulations for the incinerator. Everything is continuing onto full enforcement. Regulations will follow.

G. Commission Discussion on a Memorandum dated April 30, 2012 from DEEP Regarding The Final FY2012 & 2013 Priority List for the Clean Water Fund Availability.

No Discussion.

H. Commission Discussion Regarding Selection of the Interview Panel for the Wastewater Treatment Facility Plan Proposal.

Jim Stewart Received 6 Submittals/Applications. The Interview Panel will consist of Two (2) WPCA Commissioners, Director of Public Works, Controller, and the Veolia Wastewater Treatment Plant Manager.

3. Old Business.

Commission Discussion /Decision Regarding 686 Rubber Avenue – Enterprise Rent A Car – Oil/Water Separator Permit Sign Off.

The Original Application Regarding the Oil/Water Separator was Approved with the standard conditions and the plan was submitted to the WPCA Board at the Regular Meeting on November 20, 2008.

The Standard DEEP Permit needs to be signed by the Chairman and the Borough of Naugatuck Wastewater Treatment Plant. The Commission Agreed to the Permit Sign Off for 686 Rubber Avenue - Enterprise Rent A Car Regarding the Oil/Water Separator.

4. Acceptance of Regular Meeting Minutes for April 19, 2012.

VOTED: Unanimously on a motion by Pat Mallane and seconded by Catherine Aresta to **ACCEPT** the Regular Meeting Minutes for April 19, 2012 with a spelling change to correct Catherine Aresta's name.

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

5. This report summarizes the activities at the Borough POTW for April 2012:

This report summarizes the activities at the Borough POTW for April 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.	-	181
Effluent Avg.	30	<5
Removal Efficiency	85%	97%

Plant Process Data*	Limit	Actual
Carbonaceous BOD		
Influent Avg.	-	153
Effluent Avg.	30	<4
Removal Efficiency	85%	97%

	Naugatuck	Middlebury	Oxford
OTR			
April Flow Avg. (MGD)	6.3	0.516	0.097
Sludge Liquid Total (MGal)			N/A
3505.5			
Sludge Cake Total (Wet Tons)			
7847			
Septage Total (MGal)	53,300	47,000	172,500
663,150			
Discharge Permit Exceedance:	None		

Safety Incidents and Odor Complaints

	Month	YTD
Recordable Accidents	0	0
Lost Time Accidents	0	0
Odor Complaints	6	12
Unconfirmed Odor Complaints	0	0

1. Compliance & Regulatory Issues

- a. There were 6 Odor Complaints for April 2012. CTDEEP inspectors were onsite several times during April. No plant odors were detected. Lou Santos did detect odors in the Meadow Brook area however he stated they were not at the nuisance level and were very brief.
- b. One neighbor (Mr. Rimkus) north of the plant called to complain several times about his home vibrating. He stated the plant was the

cause of the vibrations. On one of the instances, an aeration blower failed (weld on a pressure tap or the silencer failed) and the backup started. Repairs were completed in less than 24 hours.

2. Personnel

- a. The Maintenance Manager position has been filled. John Daunis will start May 21, 2012.
- b. Emily Taylor was hired as the summer intern. She is a junior majoring in chemical engineering.

3. Health & Safety

- a. There were no recordable safety related incidents in April.
- b. The Monthly Safety committee meeting was held April 9, 2012.

4. Operational Information

- a. The new access road through Chemtura will be use May 14, 2012. Letters will be sent to the haulers (copy attached) detailing the use of the right of way.
- b. On April 27, 2012 the sodium hypochlorite tank developed a slight crack. The tank is full of hypo and a temporary patch is installed. A replacement tank will be investigated ASAP as the polyethylene tank is not repairable. Initial pricing form the manufacturer indicates the tank is approximately \$20,000 plus \$7000 for shipping.
- c. On April 30, 2012 a luncheon was held to thank the staff for all of their ongoing efforts.
- d. On April 2, 2012 the drainage pump station overflowed. An Operator was transferring sludge and closed the wrong valve resulting in a sludge spill. An RCA was developed and repairs to the pump station are completed. The old liquid rheostat system was unreliable. Repairs cost approximately \$6500.
- e. The chlorine contact chamber was removed from service on April 10 for annual cleaning. Chlorination/dechlorination startup is scheduled for late April 2012.
- f. On April 23 a delegation from New York City DEP toured the facility. CMMS, RCM, chemical costs, plant operations were among the topics that were discussed.
- g. Steve Shulin from the New Orleans project visited the Naugatuck facility in April.
- h. The quarterly Opacity and CGA tests were completed (copies attached in the report).
- i. Incinerator operations remained at capacity for the bulk of the month.
- j. The north ash lagoon is being cleaned thus ash hauling has resumed.
- k. Annual respirator fit testing took place on April 2, 2012. Annual medical respirator evaluations were also performed by St. Mary's Occupational health.
- l. Confined Space refresher training is scheduled for May 14, 2012. Confined spaces, hazardous gas monitoring equipment, use of fall protection, and related topics will be reviewed. An invitation was sent to Jim Stewart for any Borough staff that may benefit from the training.
- m. Aeration tanks #1, #2, and #3 were removed from service April 30 for inspections. Once those tanks have been inspected/repared, aeration tanks #4, #5, and #6 will be inspected/repared. CTDEEP was notified of the tank outage.

5. Collections

- a. On April 29 Collections received a call related to a blockage on the main sewer on Rubber Avenue. The Armory basement was flooded as a result of the clogged sewer. All Bypass reports (copy attached) were filed. The sewer was clogged just upstream of manhole 6-1 on Rubber Ave. A dislodged root ball, rags and grease that worked its way down the line was the cause of the blockage..
- b. Guerrera Construction, the Borough and Veolia met on April 26 to review their expectations of additional charges for the Hoadley street sewer repairs.

- c. The Meadow Brook area was smoke tested by UGAM on April 23, 2012. The smoke testing identified a few manholes that have vent holes. Plastic inserts will be installed in those manholes to eliminate any odors that may escape. The report is attached as an additional booklet.
- d. The area under the RT 63 Bridge was CCTV'd by UGAM. Details will be available as soon as the report is completed.
- e. Replacement jetting hoses were purchased for the vac truck (~4\$k).
- f. Annual generator maintenance service was completed for the emergency generators.

6. Maintenance

- a. The elbow off the venturi scrubber is wearing and has many patches. We are investigating a replacement elbow using refractory brick as opposed to the castable. A vendor was contacted to provide pricing.
- b. The hydraulic drive motor for the north Abel failed in early April. A cake truck tarp bracket went through the cake receiving system, TDU and wrapped itself around the augers. The hydraulic motor that drives the auger failed. A replacement pump and spare shaft was ordered (~\$1800). Delivery is 8 to 10 weeks.
- c. The original gear box for the north centrifuge requires repairs. Parts will be ordered immediately (~\$11,500).
- d. The original #3 sludge storage tank mixer drive failed (last year the #4 sludge storage tank mixer drive failed. These are over 30 years old.). The grinder pump intended for sludge thickener #3, will be used for sludge storage #3. The grinder pump will replace the original mixer as spare parts are no longer available. To date, the grinder pump has performed very well in #4 tank. Another grinder pump will be purchased (a quote is being obtained).
- e. The J Spin PLC code updates is finally being scheduled. We hope to update one centrifuge in May.
- f. A vertical Spirac conveyor will be purchased as a critical spare (approximately \$40k).
- g. Quotations have been requested for piping for the incinerator recycle pump. That project will allow tray scrubber water to be recycled back to the venturi.
- h. The entire wet well influent troughs were cleaned from grit buildup.
- i. The #2 thickener pump failed and was beyond repair (Reeves drive). The old plunger pump will be used for spares for the thickeners. A grinder pump will be purchased (approximately \$18k) to transfer the sludge.
- j. The #1 raw sewage pump failed. The impellor and volute were worn after years of service without a bar screen and grit removal. An ABS submersible pump, highly recommended for this type of service was purchased for \$55,500.
- k. The 53 ft conveyor replacement shell was received. Installation will take place during the incinerator shutdown in the third quarter.
- l. Quotations have been requested for piping the incinerator recycle pump installation.

7. Capital Projects

- a. Four aeration blower bids were received. Aerzen at \$366,800, Piller at \$353,200, ABS at \$ 225,800, and Neuros at \$334,180. The aeration blower energy efficiency grant is \$237,500 with a completion date of Aug 31, 2012. Mark Higginbottom of the TDU group provided valuable input in this project. The Piller model was selected based upon operating costs. A letter detailing the installation was provided to the Borough. For their review and consideration.

**Borough of Naugatuck
Collections Systems Report
Apr-12**

Calls for Service:

This Month **Year to Date**
2 28

- 1 201 Cherry Street
- 2 619 Rubber Ave - National Guard Armory

Calls Caused By Collection System:

Reason
Roots and grease built up in line.
Roots and grease built up in line.

- 1 201 Cherry Street
- 2 619 Rubber Ave - National Guard Armory

Line Flushing (feet) **This Month** **Year to Date**
10720 Feet 125184 Feet

1	Cherry Street	150	
2		640	
3	Crown Street	525	
4	Brenen Street	630	
5	Porter Road	200	
6	Spring Street	340	
7		350	
8		630	
9	Brenen Street	335	
10	Spring Street	125	
11		380	
12		240	
13	Margret Circle	285	
14		290	
15		540	
16		285	
17		275	
18		160	
19		85	
20	Beacon Valley Road	560	
21	Toe Bridge Road	370	
22		110	
23	Elm Street Siphon	100	
24	Elm Street	320	
25	Ward Street	280	
26		590	
27	North Hoadly Street	330	
28	Millville Ave	350	
29		225	
30	Quin Street	420	
31	Easment threw High School/NG Armory	600	
			Year to Date
Root Treatment (chemical or simply use of root cutter)		0	4397

- 1 None this month

Line TV (feet)

This Month **Year to Date**
250 4726

1	Marshal Ave	100	
2	North Main Street	150	

Pump Station Cleanings:

1	04/05/2012 Maple & May and Inwood
2	04/12/2012 Maple & May
3	04/13/2012 Horton Hill
4	04/16/2012 Hop Brook
5	04/23/2012 Inwood
6	04/30/2012 Inwood

Pump Station Inspections:			
1	04/02/2012	Maple & May, Inwood, and Horton Hill	
2	04/06/2012	Checked all 5 stations	
3	04/13/2012	Checked all 5 stations	
4	04/20/2012	Checked all 5 stations	
5	04/27/2012	Checked all 5 stations	

Vac Truck Information			
Days Out In Use	This Month	Remaining	YTD
Contract	15	12	138

Fuel Information	Fuel Cost	Fuel Used	Total Year to Date Gallons
	\$218.00	49.6	1422.5
	\$236.00	53.6	
This Months Total	\$454.00	103.2	\$7,545.43

vac truck	Mileage	YTD	Engine Hours	YTD
	Month Start	149830		Month Start
Month End	150791		Month End	3658
Total	961		Total	55.2

Vac Truck Repairs:		Vendor	None
Repair item			
Cost			
Vendor			
Repair item			
Cost			

Utility Truck Fuel Information	Fuel Cost	Fuel Used	Total Year to Date
			Gal
		Gal	397.012
		Gal	
	\$0.00	0	Year to Date Fuel Cost
		Gallons	\$1,984.85

Highlights

- 04/02/2012 Resperator Training. Vacced Primary Clairifier Skimmings.
- 04/03/2012 PM lawn mower for Spring. Cleaned Collections vehicles.
- 04/05/2012 Cut grass and did cleanup at Platts Mill Pump Station.
- 04/06/2012 Did more landscaping at Platts Mill Pump Station.
- 04/09/2012 Picked up cut down branches at Platts Mill Pump Station. Vacced out catch basins on new easment road.
- 04/10/2012 Vacced out catch basins on new easment road.
- 04/11/2012 Cleaned out contact tank in plant. Did painting in plant.
- 04/12/2012 Investigated odors in Meadowbrook area.
- 04/13/2012 Helped with plant cleanup for tour
- 04/16/2012 Uncovered and looked at old flow metering station on North Ridge Road from Middlebury. Maple & May and Platts Mill pump stations landscaping and cleanup.
- 04/17/2012 Handed out info sheets in affected areas of the smoke testing for the 24th.
- 04/18/2012 Plant repairs
- 04/19/2012 Did trash cleanup in and around Maple & May pump station.
- 04/20/2012 Vacced out catch basins in the plant. Vacced Primary Clairifier Skimmings.
- 04/23/2012 Inwood pump station repairs. Opened and cleaned 2 check valves. Repaired PVC discharge line from pump.
- 04/24/2012 Collections Vehicles PM. UGAM conducted smoke testing in Meadowbrook area.
- 04/25/2012 Inspected Inwood discharge area. Manhole was caving in.
- 04/26/2012 Westin & Samson met us at Inwood pump station and we showed them needed repairs. Mesured manhole covers in Meadowbrook area so we could order seals to help with odors.
- 04/27/2012 Landscaping at all 5 pump stations.
- 04/30/2012 Had to pull up and re-seat pump at Inwood pump station. Was not pumping correctly.

6. Adjournment.

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

Attest: Catherine Aresta, Secretary/dl