

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

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

OTHERS:

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

ABSENT: Pat Mallane

VISITORS:

Jon Hoisak, Veolia
Kathy Luvisi, ARI
Jim Binder, ARI
Borough Attorney Pete Hess
Paul Bunevich, Land Data Engineers

1. **Ron Merancy opened the meeting with the Pledge of Allegiance.**
2. **Acceptance of Regular Meeting Minutes for November 17, 2011 will be moved to the next WPCA meeting on January 19, 2012.**

VOTED: Unanimously on a motion by Catherine Aresta and seconded by Rimas Balsys to have the Regular Meeting Minutes for November 17, 2011 added to the agenda for January 19, 2012.

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

3A. Executive Session.

VOTED: Unanimously on a motion by Rimas Balsys and seconded by Catherine Aresta to **ENTER into Executive Session at 6:01 inviting in Jim Stewart and Jim Binder.**

VOTE: **In Favor: 3** **Opposed: 0** **Abstained: 0**
Motion Carried: 3-0-0
Acceptance to enter into executive session inviting in Jim Stewart and Jim Binder.

3B. Executive Session.

VOTED: Unanimously on a motion by Rimas Balsys and seconded by Catherine Aresta to **EXIT out of Executive Session at 6:26 and Reconvene into the regular session of the WPCA monthly meeting.**

VOTE: **In Favor: 3** **Opposed: 0** **Abstained: 0**
Motion Carried: 3-0-0
Acceptance to exit out of executive session and reconvene into the regular WPCA monthly meeting.

4. Commission / Discussion Regarding Old Business.

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

Jim Stewart commented that he has a map plan that shows where the sewers in the area are and is still trying to figure out where sewers go and who's attached. Will go out there to find out where some of them are. Then will proceed to contact the current owner and meet with them to ask them for an easement.

B. Commission Discussion update on Hoadley / Aetna Street.

Jim Stewart commented that the contractor is on the site. The plan is to start cutting the road and do by-pass pumping tomorrow. The job should be completed in 2-3 weeks.

C. Commission Discussion regarding a proposed addition to the existing Unimetal Surface Finishing Industrial Building on East Waterbury Road.

Paul Bunevich, P.E. of Land Data Engineers representing Unimetal Surface Finishing is now proposing an 111,905 sq. ft. addition to the existing Unimetal Surface Finishing Industrial Building on East Waterbury Road.

Paul stated that he has the information the Commission requested on flows and treatment. He spoke with both the Naugatuck plant manager Jim Bradshaw and also with the head of Unimetal Jim Murphy in the Thomaston Division regarding discharges.

After speaking with the Thomaston Plant Manager, Mr. Murphy, said the proposed daily sewage flow will be about 250 gallons a day. That changes the flow capacity from .38 C.F.S. to .4 C.F.S average flow. The capacity controlling the sewer is in the last stretch of Union City Road before Prospect Street, it goes from an 8 inch pipe to a 10 inch pipe which can handle 2.6 C.F.S.

Paul submitted a copy of the State of Connecticut DEEP pretreatment permit to the commissioners.

Paul will have the requested information for the next WPCA meeting.

5. New Business and Correspondence.

A. Commission Discussion regarding Sewer Lateral located at 38 Cherry St. Correspondence Letter dated November 28, 2011.

Letter was sent to the owners of 38 Cherry Street regarding a leak in the sewer lateral. Jim Stewart stated that the sewer lateral leak was repaired. It was inspected and it is all set.

B. ARI Presentation regarding Veolia Annual Performance Audit Contract Year 9. Each Commissioner received a copy of Contract Year 9 presentation documentation for review. (Contract Year 9 ended on June 30, 2011)

Kathy Luvisi from ARI presented the review and went over the results from the annual inspection at the Veolia Waste Water Treatment Facility. It includes reviewing the results on the monthly operating reports and checking for any problems or issues on the reports, reviewing records on the cleaning, checking the operation of the computer system that monitors all the maintenance of equipment and reviewing the amount of sludge.

Kathy stated that the plant is well operated and maintained and meets the limits of the air omission of the waste water about 99 percent of the time. There's been an improvement in the performance over the past few years.

There were two violations regarding discharging into the Naugatuck River caused during periods of heavy rain and floods.

There was one violation regarding the nitrogen level caused from high flows.

Kathy commented on the Capital Repair Replacement Plan (CRRP) permit. Veolia is required to maintain the equipment so that it performs adequately and at the end of the contract period.

Kathy stated the contract requires that Veolia should have a plan to spend money on sewer cleaning and sewer television inspection and to maintain and monitor the sewer system.

Kathy commented that the needed actions for annual inspection for CY9 (FY11) are complying with nitrogen limits, to continue progress in inflow/infiltration studies to reduce peak flows, to comply with a Capital Repair and Replacement

plan for the remaining useful life of equipment, to control odors, to document dollar amounts spent on sewer flushing and sewer video and to provide 4,000 linear feet of sewer root treatment.

Jim Binder stated that there should be an annual settlement statement done every contract year that shows whether the money is owed by the Borough to Veolia or Veolia to the Borough. This needs to be worked out each contract year through the annual settlement process. This hasn't been addressed yet and it needs to be.

Kathy Luvisi and Jim Binder continued the presentation by going over and explaining graph percentages and issues for the past few years.

Budgets for the upcoming fiscal years of 2012-2015; Looking at cost associated: New Vacuum Truck, WWTF NPDES Permit Renewal (February 2012), Phosphorus Removal System (for pilot testing summer 2012), Incinerator Emissions Mercury Control (new EPA limits for Hg and other pollutants) for stack testing in fall of 2012, Grit Chamber and Bar Rack, Odor Control Improvements, and Facilities Plan, Complete Review of Annual Settlement Statements (CY1-9) and Negotiations with Veolia-Insurance, DNR/percentage rent and odor control.

6. Motion to ADD an Expenditure Authorization Item to the Agenda.

A. VOTED: Unanimously on a motion by Rimas Balsys and seconded by Catherine Aresta **to ADD** to the Agenda an Item to discuss the proposed construction of an access road through the Chemtura property.

VOTE: **In Favor: 3** **Opposed: 0** **Abstained: 0**
Motion Carried: 3-0-0
Acceptance of Agenda Items.

B. VOTED: Unanimously on a motion by Rimas Balsys and seconded by Catherine Aresta for **AUTHORIZATION** not to exceed a One Hundred Thousand Dollar expenditure to build an access road along the train tracks on the Chemtura property for access to the Veolia waste water plant under the guidance of Jim Stewart.

VOTE: **In Favor: 3** **Opposed: 0** **Abstained: 0**
Motion Carried: 3-0-0
Acceptance for Authorization not to exceed One Hundred Thousand Dollars.

7. Veolia Water - Summary of WWTF Operations – November 2011.

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

1. Highlights and Significant Issues: Bid specs were prepared by Wright Pierce Engineers for the Hoadley Street sewer project. Bid opening is at 11:30 AM, Nov 3, 2011.

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.	-	202
Effluent Avg.	30	5
Removal Efficiency	85%	96%

Plant Process Data*	Limit	Actual
Carbonaceous BOD		
Influent Avg.	-	79
Effluent Avg.	30	4
Removal Efficiency	85%	94%

OTR	Naugatuck	Middlebury	Oxford
November Flow Avg. (MGD)	6.6	0.83	0.104
Sludge Liquid Total (MGal)			N/A
3367			
Sludge Cake Total (Dry Tons)			
5471.9			
Septage Total (MGal)	89,700	37,000	164,750
773,000			
Discharge Permit Exceedance:	None		

Safety Incidents and Odor Complaints

	Month	YTD
Recordable Accidents	0	0
Lost Time Accidents	0	0
Odor Complaints	1	29
Unconfirmed Odor Complaints	0	0

1. Compliance & Regulatory Issues

- a. There was one Odor Complaint for November 23, 2011. To date there were 29 complaints for 2011.

2. Personnel

- a. Dennis Roberts remains on Workman Compensation as of 2/21/11.
- b. Sherri Florentino returned to work November 2, 2011.
- c. John Visser remains out of work for a medical issue since Oct 31, 2011.
- d. Julio Tapia was hired to replace Richard Massicotte who is retiring.

3. Health & Safety

- a. There were no recordable safety related incidents in November. Assuming there are no accidents until Dec. 8, 2011, the staff would achieve a 4 year no lost time and a 3 year no recordable accident record. Given the amount of activity at this site that is quite an achievement. The Safety Luncheon would be held Wednesday, Dec 14, 2011 at the plant from 11 AM to 1 PM assuming there are no accidents until Dec 8, 2011. The luncheon is will be a combined holiday, retirement event.
- b. A Veolia safety inspection took place on Nov 1, 2011. Rich Evans from the Wilmington project inspected the facility. There were 9 issues to resolve, most of which have been corrected.
- c. The Site Safety Coordinator will be used on a daily basis to assist reviewing Lock Out tag Out, Confined Space, and Hot work Permit paperwork. He will also assist management with PPE compliance.

4. Operational Information

- a. Nov 9, 10, and 11th Gildas Manic (Veolia France), Joe Nasuta, and Bruce Brown (Veolia personnel) toured the BNR system and discussed the operation of the DO and NH probes. No enhancements were recommended.
- b. Nov 4, 2011, Jon Mongie, Jon Hoisak, George Elaro, Jim Stewart, Fred Agee attended a meeting regarding how UGAM can help the Borough of Naugatuck. The meeting was an informational session detailing the capabilities of UGAM relative to the Borough's collection system issues.
- c. All the accumulated grease in the wet well was vacuumed by the collections crew.
- d. G&L completed the concrete pad for the spare heat exchanger. The concrete met the requirements to support the heat exchanger. The rebuilt heat exchanger is due to arrive by mid December 2011.
- e. Chris Vernenkar was onsite for a class on incineration. The class was consisted of two identical sessions and covered basic to advanced incineration topics. There were 60 site specific questions that were also discussed.
- f. Julio Tapia was hired to replace Richard Massicotte who is retiring effective the end of Dec. 2011.
- g. Two storm sewer manholes are being repaired on the main access road in the plant. The blacktop/concrete around the manholes had deteriorated over the years from the constant truck traffic. In addition, the chemical unloading area, collections debris storage area is being repaved as well for the same reason. Repairs will cost just under \$10,000.

5. Collections

- a. Hoadley St. sewer replacement bid opening was November 3rd. Guerrera Construction was the low bidder at ~\$125,000. Work is expected to start by December 19. The contractor is waiting on delivery of manholes, piping and CTDEEP permits.
- b. A new blower for the vac truck for \$18,880 was authorized by the WPCA on Nov 3, 2011.
- c. Nov 8th and 9th the Collections crew each spent one day at a Shoring and Trenching class.

6. Maintenance

- a. OWAM is utilized on a daily basis. Staff is starting to enter their hours, parts used and related notes. Storerooms have been cleaned and organized. Two computers/printers were ordered to allow the staff to complete their entries into the program. An interface for the SCADA system to export equipment runtime hours into OWAM should be operational during the first quarter of next year.
- b. Several new thermostats were purchased to replace defective thermostats in an effort to reduce heating costs.
- c. The primary sludge grinders will be replaced after approximately one year in service. The cartridges are on a maintenance exchange program. The lack of grit removal and rocks require that the grinders continually grind rocks and debris which wear the teeth out on the units.
- d. Condensate/Sediment bowls were installed on pneumatic actuators to eliminate moisture problems.
- e. The #2 raw sewage pump was repaired and placed in service
- f. ABS pumps are willing to provide a try and buy program for the raw sewage pumps. The recommended pump has a track record of handling rags. The 60 HP pump would become an 85 HP pump at a cost of \$46,000. The 100 HP pump would become a 115 HP pump. The trial was made possible with the assistance of Mark Higginbottom. Staff will check capacity of the existing VFD's to determine if they can handle the higher horsepower.
- g. Northeast conveyors performed the inspection of the sludge cake conveyors in late November. The lower housing of the 53' foot conveyor is showing wear after years of service and a replacement is necessary. We are waiting on pricing for that component. Additional details were not available at the time of this report.
- h. The thickener transfer pump Reeves drive/gear box failed. A new pump will cost \$11,000
- i. The primary scrubber building required new lighting and new electrical enclosures. The conduit and enclosures have deteriorated over the years.
- j. The south J Spin was returned to service with new bearings, seals, rebuilt pump and an inline grinder.

7. Capital Projects

- a. The #1 thickener walkway repairs cost \$21,000. Repairs to the center ring cost \$22,500. The influent pipe and influent well repairs cost \$15,500. The thickener rake arms cost \$28,000. This was the thickener that was in service for over 30 years.
- b. Jenn Muir has completed the revised turbo blower application. The package was submitted to CL&P for their review.
- c. A pump to recycle the tray scrubber water to the venturi and 4th tray (approximately 500 to 600 gpm) has been ordered/received for approximately \$13,500. The use of the proposed pump will reduce the internal plant flow by the same amount (less pumping by the influent and plant water pumps). Installation will not likely take place until the New Year.

Borough of Naugatuck Collections System Report
Nov-10

Calls for Service: This Month
3 Year to Date
12

- 1 11-12-11 5 marshall ave,blocked lateral
- 2 11-30-11 elm st siphon,blocked lateral
- 3
- 4
- 5

Calls Caused By Collection System: Reason
roots

- 1 11-12-11 15 pearl rd back-up,roots
- 2
- 3

Line Flushing (feet) This Month
14290 Feet Year to Date
62583 Feet

		This Month	Year to Date
		14290 Feet	62583 Feet
1	11-1-11 terrace ave	550	
2	11-1-11 beacon valley rd	560	
3	11-3-11 alma st	450	
4	11-3-11 john st	550	
5	11-3-11 towbridge st	495	
6	11-7-11 rockwell ave	380	
7	11-7-11 sheffield ave	320	
8	11-7-11 damson ln	765	
9	11-12-11 pearl rd	195	
10	11-14-11 pearl rd	195	
11	11-14-11 stanley st	230	
12	11-15-11 parkman pl	350	
13	11-16-11 elm st siphon	65	
14	11-16-11 quinn st	1145	
15	11-17-11 ward st	870	
16	11-17-11 elm st	380	
17	11-28-11 nixon ave	535	
18	11-28-11 brookside ave	710	
19	11-28-11 chestnut st	300	
20	11-28-11 phyllis dr	335	
21	11-29-11 milville ave	225	
22	11-29-11 church st	350	
23	11-29-11 osborn rd	300	
24	11-29-11 south cir	450	
25	11-30-11 coen	410	
26	11-30-11 eagle st	400	
27	11-30-11 baldwin st	345	
28	11-30-11 gorman st	450	
29	11-30-11 homestead	1215	
30	11-30-11 pleasant	440	
31	11-30-11 elm st siphom	325	

Line TV (feet)		This Month	Year to Date	Cost
		This Month	Year to Date	
		430	1485	
1	11-14-11 pearl rd	195		
2	11-14-11 marshall ave	200		
3	11-22-11 dog pound	35		

Root Treatment (chemical or simply use of root cutter)		This Month	Year to Date
		195	3157
1	11-14-11 pearl rd root cutter	195	
2			

- Pump Station Inspections/Cleaning:**
- 11-1-11 check all five stations
 - 11-2-11,1-4-11 check all five stations after storm,generator checks
 - 11-18-11 all five pump stations,vac maple and may st
 - 11-21-11 vac inwood 11-22-11 vac horton hill, hop brook
 - 11-23-11 vac platts mill,check all five stations

Vac Truck Information		This Month	Remaining
Days Out In Use		16	86
Contract			
150			

Fuel Information	Fuel Cost	Fuel Used		Total Year to Date
	\$183.00	45.1	Gal	Gallons
	\$240.00	57.2	Gal	575.3 Gal
	\$246.30	60.1	Gal	Total Year to Fuel Date Cost
This Months Total	\$669.30	162.3	Gallons	\$4,153.79

vac truck	Mileage	Engine Hours
Month Start	143448	Month Start 3254.9
Month End	144567	Month End 3315.6
Total	1119	Total 60.7

Vac Truck R7-11 to 11-11-11 vac truck down, brought to shop for repair

Vendor
Repair item
Cost
Vendor
Repair item
Cost

Utility Truck	Fuel Cost	Fuel Used		Total Year to Date
Fuel Information	\$120.01	28.58	Gal	Year Date Gallons
	\$116.02	28.03	Gal	236.73
			Gal	Year to Date Fuel Cost
	\$236.03	56.61	Gallons	\$973.51

Purchase Orders, amount, and what they were for:
R&M Equipment, vac truck blower \$18,880.
Digennaro vac truck repair \$412.84, brakes
Digennaro vac truck repair \$1,482.90, front end

- Highlights**
- 11-2-11 vac high school grease tank
 - 11-2-11 vac cherry st for g and l, to remove manhole in brook.
 - 11 vac high school pump station.
 - 11-4-11 need to install manhole on marshall ave, no manhole. (on order)
 - 11-22-11 dog pound drain line was blocked, camera line found build-up of misc. items, jet line.
 - 11-28-11 inspect north main siphon, and nauगतuck river siphon east end-ok. elm st, and cherry st shiphons-ok.

8. Adjournment

VOTED: Unanimously on a motion by Catherine Aresta and seconded by Rimas Balsys to **ADJOURN** the meeting at 7:33 P.M.

Attest: Catherine Aresta, Secretary/dl