

**WATER POLLUTION CONTROL AUTHORITY  
REGULAR MEETING  
NOVEMBER 18, 2010**

Chairman Merancy called the Regular Meeting to order at 6:00 PM with the following in attendance:

**MEMBERS:**

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

**OTHERS:**

James Stewart, Dir of Public Works  
Debbie Lichwalla, Secretary  
John Batorski, Veolia Water  
Attorney Ned Fitzpatrick  
Mike Ciacciarella, Burgess

ABSENT: Steven Cote

1. Ronald Merancy opened the meeting with the Pledge of Allegiance.
2. **Executive Session with Borough Attorney Fitzpatrick and Borough Attorney Hess regarding Middlebury negotiations and Veolia negotiations.**

There was no executive session.

3. **Commission discussion/decision regarding Veolia and Middlebury negotiations.**

Attorney Fitzpatrick stated for the record that they are very close to the ongoing Middlebury negotiations. We are still working on the language. We made comments on their last proposals and are waiting for ARI to review them. Very close to presenting it to the board.

4. **Commission discussion/decision regarding Sewer Lateral #310, Chemtura Building and Treatment Plant Easement.**

Jim Stewart stated this has been on going for several months and since then the applicant has been in discussion with Attorney Fitzpatrick about getting this concluded.

Attorney Fitzpatrick stated this request came to his office through Department of Public Works. They went to the site to see if the location made sense for the Borough in connection with potential future Borough use for the property. The determination is if the location that was proposed is acceptable.

The process would be if the board approves this connection by Chemtura that an easement would have to be granted by the Borough and that would require approval from the Borough Board and the Planning commission.

Attorney Holly Robinson of Carmody and Torrence was there on behalf of Chemtura and presented copies of comments of an interview with Jim Stewart, Director of Public Works.

Comment # 5 was addressed by Attorney Robinson and stated that their engineer had a difference of opinion on what type of piping to use and Jim Stewart responded and stated it was not an issue and suggested getting stronger and thicker wall pipes.

Comment # 4 was also addressed and asked if the WPCA had preferred a standard detail to be used. Mr. Stewart stated that the engineering dept. could provide one. Attorney Robinson asked the Commission if there was anything else needed. Attorney Robinson does understand the importance of making sure there are no disruptions to the plant operations and stated that they can discuss more detail with Attorney Fitzpatrick if the Borough needs him to.

Attorney Fitzpatrick responded by stating he does not see any issue in drafting up a document between Attorney Robinson and Mr. Stewart to make sure there is appropriate access.

**VOTED:** Unanimously on a motion by Rimas Balsys and seconded by Catherine Aresta to approve the Chemtura Lateral Connection subject to the Borough Board approval and Easement approval and the WPCA Engineering Report:

1. The sewer connection fee shall be paid prior to construction.
2. The sewer design shall be modified to provide minimum three feet of cover over all sanitary sewer pipes, as approved by the Borough of Naugatuck.
3. The outside drop connection for SMH-03 shall be eliminated to increase the sewer depth.
4. Sanitary Sewer Manhole # 02 shall be relocated away from the 10" clay sewer or redesigned as an inside drop.
5. The sanitary sewer pipe shall be SDR 26.
6. Access to the WWTF shall be maintained at all times during construction.
7. The existing sewer holding tank shall be removed.
8. The sanitary sewer work shall be bonded.
9. As-built drawings shall be submitted following construction.
10. The approval is contingent to obtaining the required land use approvals including the Borough of Naugatuck Planning Commission.
11. The approval is contingent to Board of Mayor and Burgess approval including the approval and execution of the final easement.
12. The approval is contingent to Borough Attorney approval.
13. The any WPCA approval will expire after 5 years if construction is not begun.
14. The construction shall comply with the Borough of Naugatuck Ordinances and the Water Pollution Control Authority "Standard Conditions for Sanitary Sewer Extensions and Sanitary sewer Construction.

**5. Commission discussion/decision regarding WalMart addition and connection.**

Atty. John Knuff of Milford, CT represents WalMart Business Trust to Expand the existing store @ 1100 New Haven Road, Naugatuck, CT by approx. 23,000 sq ft and a total of 147,000 sq ft to be a Superstore with grocery, produce and a bakery. They submitted a special permit application to the zoning commission. It was accepted last night at the Zoning Commission meeting with the Borough Engineer, Wayne Zirolli and the Public Works Director, Jim Stewart and was sent out for a public hearing.

John Brodeur, a professional engineer has the plans and seen the memo prepared by Jim Stewart and stated that all conditions are acceptable and will go over any questions and will go through the plans in as much detail if necessary. The next public meeting before Zoning Commission is December 15, 2010.

**VOTED:** Unanimously on a motion by Pat Mallane and seconded by Catherine Aresta. To approve the WalMart connection subjected to the WPCA Engineering Report:

1. The sewer connection fee shall be paid prior to construction.
2. As-built drawings shall be submitted following construction.
3. The any WPCA approval will expire after 5 years if construction is not begun.
4. The construction shall comply with the Borough of Naugatuck Ordinances and the Water Pollution Control Authority "Standard Conditions for Sanitary Sewer Extensions and Sanitary sewer Construction

**6. Commission discussion/decision concerning Odor NOV.**

Ron Merancy was pleased with the letter in response to the Notice of Violation No. 16625 regarding "NOV which states that Veolia Water objects to its issuance and denies that it has violated the state odor regulations. A review of DEP's inspection reports supports Veolia's position, clearly indicating that there is no basis to attribute the alleged odor to the Naugatuck Water Pollution Control Plant's operations.

The package of reports and summary from the DEP had one instance with an NOV. They did an inspection and smelled the odor. They came to the plant and didn't smell it.

Jim Stewart stated that in addition, the Town Mayor, Attorney Hess, and Veolia met with the DEP at the treatment plant to discuss all the issues with the phosphorous, mercury, zinc and the odor. Jim Stewart mentioned that there is a draft letter in the packet to send off to DEP requesting a 12 month extension but that an 18 month

extension would be more appropriate because you still have to get the NPDES draft permit, see what it says, obtain funding for a new facilities plant and then find a contractor.

In the final analysis, Attorney Fitzpatrick stated that we should have a motion on record in case DEP wants to see it.

**VOTED:** Unanimously on a motion by Pat Mallane and seconded by Catherine Aresta to have ARI on behalf of the Borough request an extension of 18 months to comply with the schedule of the consent order.

**7. Acceptance of Meeting Minutes for October 21, 2010.**

**VOTED:** Unanimously on a motion by Rimantas Balsys and seconded by Pat Mallane to **ACCEPT** October 21, 2010 meeting minutes.

**8. Correspondence.**

Jim Stewart discussed the monthly conference call with Veolia and ARI.

**9. Veolia Water**

**a. Summary of WWTF Operations – October.**

This report summarizes the activities at the Borough POTW for October 2010:

**1. Highlights and Significant Issues:**

The plant met all NPDES effluent limits. Please see the attached reports for additional performance details.

**2. Collection System Update:**

Please see attached Collections Report. Note that the amount of sewer jetting has increased. The lead operator received training in the Pipeline Assessment and Certification program. New stainless steel piping replaced the old pipe on the Maple/May pump station. 231 Spencer Street reported a sewer backup on Oct 11. No main line blockage was found, the line was cleaned as a precaution. The resident has filed a claim on this issue. Copy of report attached.

**3. Plant Performance Summary:**

Please see the attached reports for additional performance details.

Plant Process Data	Limit	Actual
Total Suspended Solids (mg/l)		
Influent Avg.	-	237
Effluent Avg.	30	6
Removal Efficiency	85%	98%

Plant Process Data*		Limit	Actual
Carbonaceous BOD			
Influent Avg.		-	116
Effluent Avg.		30	4
Removal Efficiency		85%	96%
		Naugatuck	Middlebury
Oxford	OTR		
Oct Flow Avg. (MGD)		3.9	0.499
Sludge Liquid Total (MGal)			0.079
	3.20		
Sludge Cake Total (Dry Tons)			
	4.66		
Septage Total (MGal)		66,900	49,000
181,250	804,050		

Discharge Permit Exceedance: None to report.

#### Safety Incidents and Odor Complaints

	Month	YTD
Recordable Accidents	0	0
Lost Time Accidents	0	0
Odor Complaints	6	53
Unconfirmed Odor Complaints	0	12

#### Compliance & Regulatory Issues

1. On Oct. 29, 2010, NOV 16625 was received for odors that allegedly emanated from the facility on September 8, 2010. A copy is attached for reference.
2. The annual stack test and CEMS RATA was tentatively scheduled for December 7 through 9, 2010. CK Environmental prepared the required ITT form by Oct. 1, for submission to CTDEP.
3. The RATA test was moved up to Oct. 29, 2010. Normally, the annual stack test and RATA are performed during the same mobilization (to save mobilization costs). On Oct. 27, I was informed by CTDEP that we would receive an NOV for failing to perform the RATA by Sept. 30. The facility passed the RATA test which was observed by CTDEP.
4. Lou Santos, CTDEP inspector came in unannounced two times: Oct 12 and Oct 27. He did not find any odors on either day, which included evening inspections.
5. There were 6 odor complaints during the month of October. Two of them were from south of the plant, three from north of the plant, and one was unconfirmed. Copies are attached for reference.

6. Mercury Consent Order 8282: No updates to report however EPA has issued new emission rules which are more stringent than the existing emission limits. The proposed rule is now open for public comment. ARI, through Air Quality Associates is performing a review of the existing emissions and the potential cost of implementing the new standards. Highlights of the proposed rule are attached.
7. SPCC Plan is complete. Training on the updated plan is scheduled during the month of December 2010.
8. A meeting was held Oct 7 with the Borough to initiate discussion of resolving the dispute related to the funding of Consent Order mandated odor improvements. Joe Tomashosky, Sandy Sullivan, Jon Hoisak, Jeff Levy and John Batorski attended from Veolia. Jim Stewart, Atty Ned Fitzpatrick, and Atty Pete Hess represented the Borough.
9. A meeting was scheduled Oct 29 at 10 AM with the mayor, town attorney, department heads from CTDEP and Veolia staff. Items discussed were the pending new NPDES permit, phosphorous limits, odor control costs, odor issues and availability of Clean Water funding.
10. On Oct 27, CTDEP approved a grant for purchasing ammonia analyzers for the aeration system. The funding will come from the nitrogen credit trading program. Appropriate paperwork will be processed for this project.

#### **Personnel**

1. Three excellent candidates were interviewed to replace an Operator who requested a transfer to the Seymour facility.
2. Negotiations started Oct. 21 with the Teamsters on a new contract.
3. Overtime was used this month to cover extensive repairs to the incinerator. Additionally, raw sewage pump issues, broken primary tank collector drives, repairs to leaking aeration tank diffusers and vacation coverage also required overtime.

#### **Health & Safety**

1. There were no recordable safety related incidents in October. This is an excellent record considering the extensive work performed on the incinerator.
2. The Respirator Plan is 95% complete. The SPCC Plan is complete. MSDS booklet update is complete. The Emergency plan is 70% complete. All safety programs are under review.

#### **Operational Information**

1. On October 15, 2010 the incinerator was shut down. High points of Incinerator shut down include:
  - a) Primary heat exchanger and both upper and lower plenums have been replaced. The old primary heat exchanger was shipped to Alstom Power in Kansas for an estimate to return to first class operating condition.
  - b) A bypass duct to control heat in incinerator was installed on primary heat exchanger with associated control logic.

- c) Two new 36" valves were installed for the hot oil heat exchanger.
  - d) A new primary heat exchanger oxygen analyzer has been installed. The original was obsolete and no replacement parts could be obtained.
  - e) A new VFD and bearings for the ID fan were installed
  - f) A new platform to safely access the Hot Oil Heat Exchanger was installed.
  - g) New freeboard spray pump and flow meter was installed.
  - h) New ash piping and barometric legs were installed replacing the leaking urethane piping.
  - i) The ash slurry tanks were eliminated.
  - j) All incinerator instruments were calibrated.
  - k) Drives, sleeves, liners and bearings were replaced as needed for the sludge cake receiving system.
  - l) The venturi castable was patched as required. The silicon carbide wear plates in the venturi throat are holding up well.
  - m) A new thermocouple was added to the discharge end of the thermal dryer to better control the dryness of the cake.
  - n) The main drive oil seal was replaced on the thermal dryer drive. Plows were adjusted to further optimize the performance.
  - o) The hot oil piping in the hot oil heat exchanger was inspected by Alstom Power and found to be in good condition. They recommended covering the heat exchanger with 1/4/ inch insulation to keep it above acid dew point condensation temperatures.
  - p) At 9:20 AM Sunday October 24<sup>th</sup> sludge feed was started into incinerator.
  - q) Some tuyere boats have lifted slightly. One tuyere boat had to be secured with a stainless steel angle. Stainless steel angle was used to repair a portion of the tuyere boat supports that were eroded away by sand.
2. Monthly operator training: There was no official training this month due to our scheduled shut down. Pre-heat startup with operators was reviewed.
  3. Sludge Storage tank #1 was cleaned and the rotating arm removed. A new recirculation pump with grinder will be installed sometime in the beginning of November/December.
  4. The dome for Thickener tank #2 has been installed. The thickener was completely rebuilt. Remaining electrical work (conduits) to connect the drive motor and interior lighting is all that is left.
  5. Several sludge valves that were difficult to operate at the thickener transfer pumps have been replaced.
  6. Painting of walls and sludge lines in the thickener basement has started. The old Putzmeister walls have been removed and the area cleaned.
  7. Maple and May pump station: On October 20, 2010 a call was received for a bypass. Cracked PVC piping was the cause. New stainless steel piping was installed on 10/27/2010. All appropriate CTDEP reports were filed on time with the exception of the Veolia INR.

8. Ash hauling continues. The north lagoon has been placed in service; the south lagoon is being emptied.
9. The canvas covers for the primary are being installed. The installation is time consuming.
10. Pricing for a manually cleaned bar screen, camera to monitor the screen, and a rag handling device will be investigated. The lack of a bar screen continues to cause significant delays with projects and PM's as so much time is spent removing rags from the raw sewage pumps, and repairing them.

### **Maintenance**

1. Both centrifuges are now operational and all accessory equipment is installed or repaired and operational as well. There are some programming and training issues with these centrifuges that are being addressed.
2. The cross collector on the #1 tank broke again due to an overload of grit. The new metallic cross collector chains and flights have arrived and are installed by Caldon this week. We will order a second set of metallic collectors as every month the plastic collector fails. The cost is approximately \$18,000 plus installation. The goal is to reduce the frequent failures.
3. Contractors have are nearly finished with work on thickener #2 weir repairs, catwalk repairs and dome installation, as well as painting the tank.
4. Hypo and caustic pumps are being installed near the respective tanks to feed each scrubber and eliminate the use of day tanks. This has been a long and tedious process with one hypo pump completed to date and the others should be finished this month.
5. Raw sewage pump 2 had a loose impeller and has been reinstalled. Rags are an on going problem here for our RSP's a couple heavy rainfalls have washed all rags into our wet well where we then remove them from pumps again and again.
6. Overtime was for the department was high again this month used for north Polyblend installation north j-spin repairs and FBI shut down work.
7. The ash drain line for the FBI venture scrubber was replaced from the scrubber through the basement. This project will be completed next week. CPVC pipe was used in place of the urethane pipe that was being used. Hopefully we will get better performance from the new pipe.
8. The north ash pump has been replaced with a rebuilt one. The one taken out will be rebuilt and will replace the south ash pump.
9. Spirac conveyors have been repaired. IC1 replaced the screw and liners. IC2 replaced spiral shaft adapter. VC2 replaced the gear box. BF1 replaced liners and welded screw; screw will need to be replaced.
10. FBI shutdown went well, replaced primary heat exchanger and damper valves (contractors). Many yearly PM's were completed and improvements made.

#### **Client / Merchant Customer Issues**

1. Work continues with the completion of the CRRP section of the annual reports to the Borough.
2. The letter detailing the required repairs to the primary tank drains (uncontrollable circumstance) that was presented to the WPCA Board on May 20, 2010 was discussed at the September Board meeting. ARI recommended a cost benefit analysis be performed for the project estimated to cost approximately \$50,000.

#### **Capital Projects**

1. To date, no new information is available regarding the funding available for the aeration system blowers. Jen Muir has completed her evaluation and a letter has been sent to the local utility the week of August 22, 2010. The week of September 27, the utility requested and received additional information. We have requested an update from Jenn Muir on this issue.
2. The #2 Thickener dome project is basically complete less some conduits and lighting. The contractor portion is complete.

#### **10. Adjournment.**

**VOTED:** Unanimously on a motion by Cathy Aresta and seconded Rimas Balsys by to **ADJOURN** the meeting at 6:48 PM.

Attest: Catherine Aresta, Secretary