

**WATER POLLUTION CONTROL AUTHORITY  
REGULAR MEETING  
AUGUST 19, 2010**

Chairman Merancy called the Regular Meeting to order at 6:05PM with the following in attendance:

**MEMBERS:**

Ronald Merancy, Chairman  
Rimas Balsys, Vice Chairman  
Pat Mallane  
Steven Cote–Absent  
Catherine Aresta, Secretary  
Mayor Mezzo  
Kathleen Luvisi, ARI  
Public: 16

**OTHERS:**

James Stewart, Dir of Public Works  
Rachel Brainard, Secretary  
John Batorski, Veolia Water  
John Hoisak, Veolia Water  
Attorney Hess  
Attorney Fitzpatrick  
Burgess Mike Ciacciarella

1. Ronald Merancy opened the meeting with the Pledge of Allegiance.
2. **Public discussion regarding sewer odor consent order and consent work.**

Kathleen Luvisi from ARI stated there were two updates that Veolia had sent to DEP. As stated in the report, all the improvements were completed and submitted as of August. She proceeded to go over her report.

John Hoisak from Veolia stated they are continuing to improve the odor control system and that there was another improvement implemented today that was not in the report.

Jameson Sinclair from DEP gave some background on the odor consent order. He stated that two notices of violation initiated the consent order. He noted that the progress made by Veolia is in compliance with the order. He said that DEP has yet to discover a nuisance level odor since August 2008. Mr. Sinclair said that Veolia continues to operate in accordance with the time schedule. He said that in 2008 there were 43 complaints, since then they have decreased significantly. Peg Sheehy, 31 Meadow Brook Place, asked if they could put a temporary covering where the trucks come in and dump. She also asked if any officials from DEP are sent out after 5:00 PM when the residents notice the odor. Mr. Sinclair stated a request for overtime has gone through and they are attempting to schedule it. Ms. Sheehy stated she is tired of documenting complaints and that is why there are lesser complaints received. Jameson Sinclair suggested the residents call (860) 424-3436 with detailed complaint information. Denise Figueroa, 326 Cherry St Ext asked if the plant is accepting waste from other states. John Batorski from Veolia answered yes. Senator Crisco asked Mr. Sinclair to explain the deodorizing and counter offset and where it's working. Mr. Sinclair explained the difference but stated it was used industry wide and didn't have specific examples. Joe Sheehy, 31 Meadow Brook Place asked how often DEP checks the odor complaints. Jameson Sinclair stated that typically they respond to the odor complaints, and have only 14 people available who are trained. Mr. Sheehy asked why odors are sporadic. Mr. Jameson stated odors tend to be intermittent.

Burgess Mike Ciacciarella thanked the Board, Veolia, ARI and DEP. He asked what a permanent fix would be for this issue. John Hosiak, Veolia stated that within six months there will be a DEP approved design system completed. They are working with the Borough to do that study. There is a bigger enclosure being looked at and design considerations for it. Mayor Mezzo asked if there was any connection between the sludge being transported to and from the facility and odor complaints. Mr. Sinclair stated that issue has not been raised and he didn't know. Mayor Mezzo asked who and how the transport trucks are regulated. Mr. Sinclair stated that odor rules do not apply to that. The rules require that trucks be covered to prevent particular matters. John Hosiak stated that DOT should regulate and that trucks are asked to follow a specific route through town. They also hose out trailers on the cake trucks. Mayor Mezzo asked if funding was available to assist communities in these types of situation. Jameson Sinclair said that Paul Stacey from the Bureau of Protection and Land Reuse would be able to give him more information on where clean water funds can be issued. Diana Raczkowski asked when a complaint comes in at 7:00 PM what does DEP do. Mr. Sinclair stated it is logged in a data base the next morning, they then call the person making the complaint for more information and then schedule an inspection to evaluate. They respond within 2 weeks of a complaint received. All the complaints are available to the public. William Hulbert, 108-109 Clark Road asked if they had a double feed into the plant and what would happen if the capital improvements didn't work. Burgess Mike Ciacciarella, 33 Donovan Road asked if the route that trucks need to follow is policed by anyone. John Hosiak stated it was something they asked them to do. Mayor Mezzo asked what would explain the odors at this time. John Hosiak stated it is the sewer system network, the daily usage, nothing specific to pinpoint. Chairman Merancy stated that Veolia has been very gracious and he encouraged people to visit the plant and felt they would be greatly surprised by what they see. At 7:20 PM Ronald Merancy closed the public comment section of the meeting.

**3. Executive Session with Borough Attorney Fitzpatrick and Borough Attorney Hess regarding Middlebury negotiations and Veolia negotiations.**

**VOTED: Unanimously** on a motion by Pat Mallane and seconded by Catherine Aresta to enter into executive session with Borough Attorney Hess and Borough Attorney Fitzpatrick inviting in James Stewart, Kathleen Luvisi and Rachel Brainard.

**VOTED: Unanimously** on a motion by Pat Mallane and seconded by Rimas Balsys the Commission exited executive session at 7:37 P.M.

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

This item was tabled.

- 5. Commission discussion/decision regarding sewer backup at 22 Lewis Street.**  
Jim Stewart said that he had received a call from John Batorski regarding a metal rod that was jetting out of a lateral on 22 Lewis Street. The homeowners were notified by letter that they would be placed on the agenda for this evenings meeting. We received no response from them. John Batorski stated the sewers were fine, they sent a camera down the lateral and saw a piece of rebar which was protruding into the main line and slowing his sewer down. Mr. Stewart stated it was at his request that Veolia repaired it. He asked Mr. Batorski to find out if it came from 22 Lewis Streets lateral. Mr. Stewart said if the lateral was the cause then they will submit the bill to the homeowner. Ron Merancy said he didn't feel the town should be responsible to repair it.
- 6. Commission discussion/decision regarding Sewer Lateral #310, Chemtura Building and Treatment Plant Easement.**  
Michael the Project Manager for BVH Integrated Services in Bloomfield, on behalf of Chemtura said he is here with a request to connect to the sewage system. Chemtura had lost their previous connection when they demolished a building. They are currently using a septic tank. Chemtura is planning on bringing in more employees to Naugatuck and the current septic situation can not handle the increase. He stated they have submitted plans but they need an easement from the town for the property. Jim Stewart stated part of the property will be deeded to the Borough in the future. He said the sewer line follows the road pretty close. He noted that this would benefit the Borough because if the site becomes the next location of the Street Department the sewer connection will already exist. Mr. Stewart said that once Chemtura gets the easement documents they should forward them to him and then John Batorski can look at the plans as to how they will connect to the plant. Ron Merancy asked if they would be required to pay the connection fee because it would be a new lateral.
- 7. Commission discussion/decision regarding water treatment access for Metro North Bridge replacement for Sugar Bush Brook.**  
Jim Stewart said he wanted to bring to the Commission's attention Metro North wanting to repair the bridge to Sugar Bush Brook. In order for them to do the necessary repairs they need access through the plant. They are looking to acquire a temporary construction easement to go through the plant. Metro North was unable to get permission from Chemtura to access their property. Originally they submitted the request with a sense of urgency, but now they are pushing the project back for 3 or more years. Chairman Merancy asked if this would affect the operations of the plant. Mr. Stewart stated that is why they are looking for approval from John. Ron Merancy stated they should be allowed to access only during normal working hours of the plant and can not contribute to any odors. John Hoisak stated they will need to keep the area clean if they will be tracking dirt through the plant. This will increase vehicular traffic.

**8. Acceptance of Meeting Minutes for July 15, 2010.**

**VOTED: Unanimously** On a motion by Pat Mallane and seconded by Catherine Aresta to **ACCEPT** the July 15, 2010 regular meeting minutes as presented.

**9. Correspondence**

Jim Stewart stated he had not received any correspondences this month. He said that in the Commissioners packets the Naugatuck Project Report was included. Kathleen Luvisi is currently reviewing it. He noted they have been holding monthly conference calls with Veolia, ARI, and himself. He included the agenda notating items that were discussed.

**10. Veolia Water**

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

John Batorski stated they have already discussed the odor issues. He noted the dome is being installed and the tank is being refurbished and he feels they have gone above what's required. He said they should be done in 2 to 3 weeks. He said they're safety record have been good. They are continuing to improve the plant operations. He noted there haven't been many complaints north of the plant that were odor related. He said there were 2 power failures that caused the odor complaints. He noted they were the first power failures in 2 years.

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

**1. Highlights and Significant Issues:**

The plant met all NPDES effluent limits.

**2. Collection System Update:**

Please see attached Collections Report.

**3. Plant Performance Summary:**

Please see the attached reports for additional performance details.

<b>Plant Process Data*</b>	<b>Limit</b>	<b>Actual</b>
Total Suspended Solids (mg/l)		
Influent Avg.	-	356
Effluent Avg.	30	5
Removal Efficiency	85%	99%
<b>Plant Process Data*</b>	<b>Limit</b>	<b>Actual</b>
Carbonaceous BOD		
Influent Avg.	-	169
Effluent Avg.	30	4
Removal Efficiency	85%	98%

\* As of 8/4/10

	<b>Oxford</b>	<b>OTR</b>	<b>Naugatuck</b>	<b>Middlebury</b>	
Flow Avg. (MGD)			3.7	0.499	0.066
Sludge Liquid Total (MGal)					
	4.45				
Sludge Cake Total (Dry Tons)					
	5.41				
Septage Total (MGal)			65,750	48,250	
	178,700	808,250	Unavailable at time of report.		

**Discharge Permit Exceedance:**

None to report.

**Safety Incidents and Odor Complaints**

	<b>Month</b>	<b>YTD</b>
Recordable Accidents	0	0
Lost Time Accidents	0	0
Odor Complaints	10	19
Unconfirmed Odor Complaints	0	4

**Compliance & Regulatory Issues**

1. CTDEP Air Bureau has requested a plant inspection/meeting on August 3, 2010 at 9 AM to discuss the status of recommendations listed in the Odor Control Evaluation report. A second update regarding the Odor Study improvements was prepared and is attached for reference.
2. Craig Motasky of CT DEP, came in for an unannounced odor inspection the second week of July. We drove around the Meadow Brook and Cross road areas. At no time were any odors observed on or off the plant grounds.
3. There were 10 odor complaints during the month of July. Some of the complaints were directly attributed to the two, July 2 electrical power failures. From January 1 through July 30, 2010, the facility has received 1 odor complaint north of the facility, and 18 complaints from the area south of the facility (some of which did not correlate with wind direction). During the same period last year, there were 76 odor complaints.
4. The three day PIQ Inspection (Pre Inspection Questionnaire) started on June 22. The third day of record review was on July 6, 2010. On July 6, Anita Masih, the CTDEP inspector accompanied Jim Stewart and Wayne Zirolli on a plant tour. The tour was held as a result of odor complaints from the July 4 weekend. During the tour everyone agreed there were no odors that would go beyond the property line.
5. To date, we have had no response to our request from CTDEP for funding for ammonia sensors/controls and portable ORP sensors.
6. Mercury Consent Order 8282: No updates to report.

**Personnel**

1. Gary Desbois, a Maintenance employee is on short term disability. The plant took a collection a raised over \$1000 for him.

2. Overtime was used this month to cover scheduled vacation vacancies, minor plant cleanup projects, and filling in for Collections.

### **Health & Safety**

1. There were no recordable safety related incidents in July. Supervisors try to have a 5 minute safety discussion each day as jobs are assigned.
2. The Respirator Plan, Emergency Plan, and SPCC Plan are under revision and almost complete. MSDS booklets has been updated and signed off.
3. A vac truck SOP is completed. We now have the manufacturers O&M manual for this vehicle.

### **Operational Information**

1. Ash hauling continues. The north lagoon should be empty by the end of August.
2. The replacement primary heat exchanger is on site. Installation is tentatively scheduled for week of September 13, 2010.
3. The primary tanks did not fail in July, however the #4 secondary tank cross collector did fail. The repairs will be scheduled ASAP.
4. Installation for the new FRP cover for #2 thickener is scheduled for the month of August.
5. The canvas covers for the primary tanks should arrive by mid August and will be immediately installed.
6. A "Roof Repair" work party was scheduled for July 31. Staff patched roofs as required. The rusted, old inoperable exhaust fans in the old multiple hearth areas were removed and replaced with skylights.

### **Maintenance**

1. The parts have arrived for the south j-spin. The Control Screens have been replaced and will be modified to improve operations. The Bowl assembly has been installed, the feed pump will be rebuilt, and the new slide gate actuator has been installed.
2. The #3 secondary clarifier was taken off line to repair crooked flights; chains were realigned and tightened to prevent further misalignment.
3. Two maintenance employees sat for the certification test #1.
4. #4 RSP inlet valve was replaced and the #4 pump is being rebuilt.
5. "C" aeration blower was repaired and put back into service.
6. Hypo and caustic pumps are being installed near the respective tanks to feed each chemical odor scrubber.
7. Muffin Monsters (sludge grinders) have been replaced under our insurance exchange program.
8. Oil changes were completed on 4 Spirac Conveyors.
9. A new water filter was installed for the emulsion polymer blend system for the north J-Spin.
10. Centrifuges
  - a. The touch screens for the J-Spins are under revision. The South J-spin screens will be updated once the machine is operational again from the Rotodiff failure.

Once these screens are optimized, the same changes will be made to the North J-spin.

b. A replacement scroll was purchased from Siemens (\$35,000) and was installed in the South J-spin. .

c. The South J-spin rotating assembly has been installed in the frame and testing has begun. The PLC program is being modified to eliminate the bugs experienced in the past. Once these changes are made, SCADA will be updated and control of the centrifuges done in the control room instead of at the machine.

d. Once the South J-spin is operational, the bearing housings of the North J-spin will be changed out. This should be completed by mid August.

11. Condition Monitoring / Reliability

a. The Vibration analyzer has been tested on the following equipment. ID Fan, FAB, TDU, Purge Air Blowers, Centrifuge #1, RSPs and plant water pumps. Monthly testing of the plant equipment is continuing and fine tuning of the monitoring program is ongoing.

b. The July route did not find any new problems in the plant. Some equipment cannot be monitored yet due to a lack of suitable places to mount the accelerometer. Mounting targets for these pieces of equipment are being sourced.

c. Aeration Blower B motor failed and was repaired (\$7,850). The unit was aligned using the plant laser alignment unit and returned to operation.

12. Abel Pump training

a. Three days of pump training (cost of \$7,500) were completed the last week of July. A significant amount of information was transferred to the maintenance personnel and several problems were found and corrected.

**Client / Merchant Customer Issues**

1. No action to date regarding the letter detailing the required repairs to the primary tank drains (uncontrollable circumstance) that was presented to the WPCA Board on May 20, 2010. Primary tank drain repairs due to accumulations of grit and rocks were estimated to cost approximately \$50,000.

**Capital Projects**

1. Jen Muir has completed her evaluation of the aeration tank aeration blowers for energy grant upgrades. Two high efficiency units were recommended (~\$300,000). A letter will be sent to the local utility requesting the amount of funding available for this project.

**11. Adjournment**

**VOTED: Unanimously** on a motion by Pat Mallane and seconded by Catherine Aresta to adjourn the meeting at 8:26 PM.

Attest: Catherine Aresta, Secretary/rb

