

**WATER POLLUTION CONTROL AUTHORITY  
SPECIAL MEETING MINUTES  
APRIL 14, 2011**

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

**MEMBERS:**

Ronald Merancy, Chairman  
Catherine Aresta, Secretary  
Pat Mallane

**OTHERS:**

James Stewart, Dir of Public Works  
Debbie Lichwalla  
Attorney Fitzpatrick  
Chris Makuch, Assistant Plant Mgr.

**ABSENT:** Rimas Balsys, Vice Chairman

Steve Cote  
Michael Ciacciarella, WPCA Liaison

- 1. Ronald Merancy opened the meeting with the Pledge of Allegiance.**
- 2. Commission Discussion regarding reconsidering Warren Avenue Detention Pond vote.**

The applicants engineer notified James Stewart that they had reviewed the approval and that they will comply with the Commissions conditions.

- 3. Commission Discussion regarding ARI Reports.**

To be discussed at next months meeting.

- 4. Commission Discussion / Decision regarding water treatment access for Metro North Bridge replacement for Sugar Bush Brook.**

Attorney Fitzpatrick stated that this will be for the right of way access through Cherry Street for maintenance and reconstruction purposes. They will be removing the steel structure and replacing it with a box culvert.

Attorney Fitzpatrick stated that the Borough's Planning Commission has to approve the right of way access for the Metro North Bridge replacement and no vote is needed by the WPCA.

## 5. Veolia Water Report - Summary of WWTR Operations – February/March.

**This report summarizes the activities at the Borough POTW for February 2011:**

### 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. CCTV was scheduled 2/7 through 2/11/11.

### 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.	-	223
Effluent Avg.	30	5
Removal Efficiency	85%	98%

Plant Process Data*	Limit	Actual
Carbonaceous BOD		
Influent Avg.	-	126
Effluent Avg.	30	4
Removal Efficiency	85%	97%

	Oxford	OTR	Naugatuck	Middlebury
Feb Flow Avg. (MGD)			5.9	0.700
Jan Flow Avg. (MGD)			4.6	0.514
Sludge Liquid Total (MGal)				0.088*
3.96				
Sludge Cake Total (Dry Tons)				
4.722				
Septage Total (MGal)			28750	7,000
264,600				55,250

\* Not available at time of Jan report.

Discharge Permit Exceedance: None to report.

### Safety Incidents and Odor Complaints

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

## 1. Compliance & Regulatory Issues

- a. A meeting was scheduled March 1, 2011 at 1:30 PM at Atty Ned Fitzpatrick's office to continue to discuss common ground between Veolia and the Borough regarding: odor cost issues, revenue sharing, new NPDES permit requirements, facility planning, mercury control issues, and plant upgrade. Atty Ned Fitzpatrick and Atty Hess for the Borough, and Atty's Jeff Levy, Mark Zimmerman, and Jon Hoisak and John Batorski will also attend.
- b. There were no odor complaints during the month of February.

## **2. Personnel**

- a. A replacement Collections Tech started Feb 14.
- b. A new Maintenance Mechanic started Feb 14,

## **3. Health & Safety**

- a. There were no recordable safety related incidents in February.
- b. Annual respirator fit testing will be scheduled for April 11.

## **4. Operational Information**

- a. On Monday February 14<sup>th</sup> we conducted an emergency generator test. The relay for the primary pumps did not switch over. Repairs were completed and additional testing will be scheduled
- b. February 16<sup>th</sup> John Batorski and Chris Makuch attended Phosphorus Removal Strategy meeting at DEP headquarters in Hartford.
- c. Training on aeration tank settings has been completed for all shifts. Next training will be on operation of DO, ORP, pH, and ammonia meters.
- d. The new Ammonia probes have been installed in Tanks 3 and 6. Calibration will be completed in March.
- e. The installation of the new recirculation pump for #1 sludge storage tank began on February 22<sup>nd</sup>.

## **5. Collections Department**

- a. UGAM (Under Ground Asset Management) was on site the first part of February for some CCTV work.
- b. The 6 month jetting list and time out on the road is on track as weather conditions have improved.
- c. On February 22 John Mongie of UGAM was in to drop off a new collections computer with info-net. He did some training with collections personnel on the new system. This will be work in progress and more training in the future. As some point, we would like to schedule a presentation of the capabilities of the new system to the WPCA Board.

## **6. Maintenance**

- a. There were many problems with raw sewage pumps again this month. Seals were replaced in both pump 1 & 3. Pump #2 was jammed so solid at one point that it sheared all of the bolts off at the top of the bearing stuffing box. Pump #4 is currently filled with rags, however, the inlet valve will not shut and further extensive work will be needed to investigate and rectify this problem. This valve was installed only 6 months ago. Plans are moving forward to install a manual bar rack to catch rags. Estimated costs are \$3800 for the rack and approximately \$10,000 for a crane and ancillary equipment. We hope to install this in either late March or April.
- b. Primary tank #1 railings, tarps, and one set of longitudinal flights have been destroyed due to heavy snow accumulating on the tarps. Work has begun on the repairs, estimated cost at \$7000.

- c. Aeration blower D is being rebuilt at a cost of \$15,860. Blowers A & B have had new silencers installed this month. Supports for the outlet silencers are being modified in hopes that more life will be gained from these units.
- d. Aeration tanks 2 and 5 both need to be drained in the warmer months to perform diffuser/curtain repairs.
- e. Waste sludge pump 1 has been rebuilt and is up and running. Two replacement pumps are on order.
- f. Installation of sludge storage tank #1 recirculation pump has begun and should finish in March.
- g. A large parts order was placed for liquid sludge feed piston pump parts, several are leaking badly and need to be rebuilt. ( \$19,000 )
- h. The GBT (gravity belt thickener) has been problematic this past month; repairs have been made to steering and gearbox. The discharge pump has been rebuilt as well.
- i. Another Spirac auger failed, this time VC1. The screw was welded back together and several wear liners were replaced.
- j. The 500 HP FAB drive motor failed due to shorted windings phase to phase. The old motor is being repaired at a cost of \$17,000 with outside services that night costing around \$7000.
- k. #1 hot oil pump was replaced due to a seal failure. The pump was not economical to rebuild as replacement parts cost approximately \$3800 while a new pump costs approximately \$5700.

**7. Client / Merchant Customer Issues**

- a. The letter detailing the required repairs to the primary tank drains (uncontrollable circumstance) and related topics will be discussed at the above reference meeting with the Borough on March 1.

**8. Capital Projects**

- a. Northeast Utilities has tentatively approved up to \$326,800 with a November 2011 completion date for the installation of new energy efficient aeration blowers. The letter was signed and returned to CL&P after being review by legal and upper management.
- b. CTDEP approved the installation of ammonia probes for a price of approximately \$28,000. Naugatuck was the first of 8 facilities selected for this system. Installation is complete pending the installation of the probes. The weather is the main reason for the delay.

**This report summarizes the activities at the Borough POTW for March 2011:**

**2. Highlights and Significant Issues:** Please refer to documents within the report.

**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.	-	108

Effluent Avg.	30	24
Removal Efficiency	85%	77%

<b>Plant Process Data*</b>	<b>Limit</b>	<b>Actual</b>
Carbonaceous BOD		
Influent Avg.	-	83
Effluent Avg.	30	8
Removal Efficiency	85%	90%

		<b>Naugatuck</b>	<b>Middlebury</b>
<b>Oxford</b>	<b>OTR</b>		
March Flow Avg. (MGD)		10.0	1.16
Sludge Liquid Total (MGal)			*
4.314			
Sludge Cake Total (Dry Tons)			
5.767			
Septage Total (MGal)		62,500	14,000
569,900			94,150

\* Not available at time of March report.

**Discharge Permit Exceedance:** The plant met all NPDES effluent limits with the exception of % removal, suspended solids, copper and zinc due to the highest average monthly flow recorded since 2004. Permit compliance returned to normal as the flows subsided. Nitrogen removal performance was poor due to the high monthly flow.

### Safety Incidents and Odor Complaints

	<b>Month</b>	<b>YTD</b>
Recordable Accidents	0	0
Lost Time Accidents	0	0
Odor Complaints	1	2
Unconfirmed Odor Complaints	0	0

### 9. Compliance & Regulatory Issues

- a. A meeting is scheduled April 21 at Noon in Atty Fitzpatrick's office to continue to discuss common ground between Veolia and the Borough regarding: odor cost issues, revenue sharing, new NPDES permit requirements, facility planning, mercury control issues, and plant upgrade.
- b. There was one odor complaint (copy attached) during the month of March. A DEP inspector visited the facility to discuss the March 11, 2011 odor complaint.

### 10. Personnel

- a. A new union contract was approved with Teamsters, Local 677.

### 11. Health & Safety

- a. There were no recordable safety related incidents in March.
- b. Annual respirator fit testing/training will take place April 11.

### 12. Operational Information

- a. Per a recommendation from Jim Stewart and Sheila Baummer, Veolia will set up a table at the Earth Day Event on the Green coinciding with the Duck Race. This

year the event will be held on June 5<sup>th</sup>. A check for \$1000 for a scholarship for Naugatuck High School has been issued.

- b. On March 2<sup>nd</sup> John Batorski and Chris Makuch attended an Electronic DMR Seminar for Connecticut DMR (Discharge Monitoring Report) reporting. Signatory Authorization forms approved by the Board, and signed by the Chairman are required for this new electronic filing procedure.
- c. Monday March 7<sup>th</sup>, due to heavy rains the plant experienced high flows with a peak flow of 23.9 MGD. Except for some solids overflow the plant experienced no major problems due to abnormal flow. Copies of the flow trend are attached for reference.
- d. March 22<sup>nd</sup> UGAM was in to look over access in the river for camera work. The goal is to inspect the sewer after the piling driving has been completed.
- e. Training was started on ammonia probe calibration, TDU shut down and flush. George Ciccone, John Carpentier and Mike Forish went for the three day Collections training and certification test. Mike Forish and Richie Czerczak went to Danbury for the OSHA 10 Hour course.

### **13. Collections Department**

- a. UGAM (Under Ground Asset Management) was on site the first part of March for some CCTV work.
- b. The 6 month jetting list and time out on the road is on track as weather conditions have improved.
- c. Veolia would like to schedule a presentation of the capabilities of the InfoNet system to the WPCA Board.

### **14. Maintenance**

- a. There were many problems with raw sewage pumps again this month.
- b. Primary tank #1 railings, tarps, and one set of longitudinal flights have been mostly repaired due to heavy snow settling on the tarps. Weather and high flows have hindered progress. Minor work remains to be completed.
- c. Installation of sludge storage tank #1 circulating pump has is complete and the pump is in service. This pump replaces a mixing rake with a drive system that was obsolete.

### **15. Capital Projects**

- a. The installation of new energy efficient aeration blowers is under review.
- b. The ammonia probes installation is complete. Training, control testing and calibration are underway.

## **6. Correspondence.**

### **Commission Discussion regarding an Invoice from the State of Connecticut for the Hotchkiss Street Siphon Vault.**

The invoice is regarding a lease for \$250.00 that the Borough pays annually on a siphon vault that is abandoned and no longer functioning. Attorney Fitzpatrick will review the agreement and discussion will follow at a future meeting.

## **7. Acceptance of Meeting Minutes for February 17, 2011.**

**VOTED:** Unanimously on a motion by Pat Mallane and seconded by Catherine Aresta to **ACCEPT** the meeting minutes for February 17, 2011.

## **8. Adjournment**

**VOTED:** Unanimously on a motion by Pat Mallane and seconded by Catherine Aresta to **ADJOURN** the meeting at 7:49 PM.

Attest: Catherine Aresta, Secretary/dl