

**WATER POLLUTION CONTROL AUTHORITY  
REGULAR MEETING MINUTES  
MAY 15, 2014**

**Chairman Ron Merancy called the Regular Meeting to order at 6:01 PM with the following in attendance:**

**MEMBERS:**

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

**OTHERS:**

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

1. **Ron Merancy opened the meeting with the Pledge of Allegiance.**
2. **No Executive Session.**
3. **New Business and Correspondence.**
  - A. **Correspondence from ARI Dated March 24, 2014 Regarding Monthly Meeting to Discuss Naugatuck Issues.**

No Discussion.
  - B. **Correspondence from DEEP Dated March 26, 2014 Regarding a Confirmation Receipt of the Title V Permit for Naugatuck POTW, 500 Cherry St., Naugatuck.**

No Discussion.
  - C. **Correspondence from DEEP Dated April 29, 2014 Regarding Invoice Notification for the Purchase or Sale of Equivalent Nitrogen Credits for 2013.**

No Discussion.
  - D. **Correspondence Letter Dated April 14, 2014 from Attorney Caleb Hamel of Branse, Willis & Knapp, LLC Regarding The Garden Homes Management Corporation, a Real Estate Developer with a Proposed Residential Development in the Town of Oxford.**

For the record, Ron Merancy, Chairman of the Water Pollution Control Authority (WPCA) noted that “No” other action is required by WPCA in resolving the discrepancy regarding the number of units.

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The discrepancy will be handled administratively regarding the proposal of 124 units of housing on a parcel of land, located between Hurley Road and Airport Road in Oxford, CT. with the total water usage of 47,200 gallons per day being acceptable.

### **E. Commission Discussion on a Correspondence Letter from Remzi Nasufi, Owner of Vinny's Restaurant of 44 Prospect Street Regarding the Installation of a Grease Separator.**

For the record, Ron Merancy, Chairman of the Water Pollution Control Authority (WPCA) wants it to be noted that the Request to Postpone the Installation of the Automatic Grease Recovery Unit is **"DENIED."**

Mr. Merancy stated that they must have it installed and inspected within 30 days in Accordance with the WPCA Ordinance; Failure to Comply will result in a fine of \$10.00 per day and up to \$500.00.

### **F. Commission Discussion Regarding Sewer Back-up on Homestead Avenue.**

John Batorski commented that when they arrived to the backup on Homestead Avenue, the crew found that flow was coming from a by-pass on May Street. The flow from May and June Street is split at an overflow at MH 10-46 (Bird and May) with flow going down Bird to Homestead and down May Street. The crew found that the diversion if functioning will sends most flow down May Street but it was clogged with debris sending most of the flow to Bird and Homestead, causing flooding.

John commented that there is a high level of overflow in that area; and nothing needs to be done other than to clean it every 6 months.

Jim Stewart commented that Kleinfelder has been notified of this area for the I/I study regarding the facilities plan.

### **G. Correspondence from Tighe & Bond Regarding the 2013 Connecticut Sewer Rate Survey.**

No Discussion.

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**4. Old Business.**

**A. Commission Discussion Regarding Title V Permit.**

No Discussion.

**B. Commission Discussion Regarding the Facilities Plan Update.**

Jim Stewart commented that the work is ongoing and the plan for funding is in the budget for \$800,000 and believes that it will be reduced. A meeting is scheduled with Marie Phlean next Friday to talk about the bond issue to cover the entire design and the structure of the incinerator improvements.

**C. Commission Discussion Regarding the Waterbury Sewage Sludge Study Update.**

Jim Stewart commented that they have a meeting in the middle of June with DEEP.

**D. Commission Discussion Regarding the North Main Siphon Repair Update.**

Jim Stewart commented that the contract is signed, the work is ongoing and funding of \$300,000 is in the budget.

**5. Acceptance of Regular Meeting Minutes for March 20, 2014.**

**VOTED:** Unanimously on a motion by Pat Mallane and seconded by Catherine Aresta to **ACCEPT** the Regular Meeting Minutes for March 20, 2014.

**VOTE:**           **In Favor: 4**                   **Opposed: 0**                   **Abstained: 0**  
**Motion Carried: 4-0-0**

**6. Following is the WWTF Monthly Operations Summary Report.**

**A. Monthly Operations for March 2014.**

**B. Monthly Operations for April 2014.**

**Borough of Naugatuck  
Monthly WPCF Report March 2014**

This report summarizes the activities at the Borough POTW for March 2014:

**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.	-	177		
Effluent Avg.	30	5		
Removal Efficiency	85%	97%		
Plant Process Data*	Limit	Actual		
Carbonaceous BOD				
Influent Avg.	-	125		
Effluent Avg.	30	4		
Removal Efficiency	85%	97%		
Discharge Permit Exceedance: None				
	<b>Naugatuck</b>	<b>Middlebury</b>	<b>Oxford</b>	<b>OTR</b>
<b>Apr</b> Flow Avg. (MGD)	6.39	0.329	0.078	N/A
Sludge Liquid Total (MGal)				4.111
Sludge Cake Total (Wet Tons)				6322.2
Septage Total (MGal)	17,750	18,750	92,750	424,050
Discharge Permit Exceedance: None				

**Safety Incidents and Odor Complaints**

	Month	YTD
Recordable Accidents	0	0
Lost Time Accidents	0	0
Odor Complaints	1	2
Unconfirmed Odor Complaints	0	0

**1. Compliance & Regulatory Issues**

- a. There was one recorded Odor Complaint for March 2014.
- b. No update regarding the proposed NPDES permit.

**2. Personnel**

- a. A Maintenance employee was terminated as he violated the Drug and Alcohol policy.

**3. Health & Safety**

- a. Monthly safety meetings were held.
- b. On March 17, 2014, Benn Bullock and Kevin Beimacki (Veolia Safety Dept.) were onsite for a safety walk through.
- c. On March 12, 2014 a quarterly safety audit was performed by the Phil Harding safety coordinator from the Southbridge project.

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**Monthly WPCF Report March 2014**  
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**4. Operational Information**

- a. The plow/sanding lease truck finally arrived in early March 2014.
- b. The incinerator operated for 2 days bypassing the thermal dryer at approximately 70% capacity while the hot oil rotary seal for the thermal dryer was replaced.
- c. The top section of the incinerator exhaust cap developed another crack in the weld. Repairs will be scheduled.
- d. Spirac will bring 6 personnel from Carollo Engineering in Texas on Tuesday, April 1, 2014 to tour the Spirac equipment.
- e. A new door/glass panel was installed at the rear entrance to the employee locker room.
- f. A third liquid sludge unloading line was installed. It will be primarily for septage to avoid liquid sludge unloading delays.
- g. The lower portion of the Admin basement/equipment has been painted.

**5. Collections**

- a. Collections personnel have their own work area now that the maintenance shop has been organized. They have one entire wall covered with a sewer map of the Borough. They will use dry erase markers to highlight their jetting progress and trouble areas.
- b. The transfer switch failed at the Platts Mill pump station and a new unit has been ordered.

**6. Maintenance**

- a. The third new raw sewage pump installation is well underway. We expect it to be complete by mid- April.
- b. The hot oil duct spray actuator was replaced.
- c. The new hot oil heat exchanger project is underway. The piping portion of that project should be complete by the end of April.
- d. The rotary seal for the thermal dryer was rebuilt.
- e. New grating was installed in the wet well replacing the original Cyprus planks.
- f. The lighting was replaced in the Maintenance shop.
- g. The discharge gate actuator was replaced on the north centrifuge.
- h. The flushing water piping for the liquid sludge unloading was replaced.

**6. Capital Projects**

No report.

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**Borough of Naugatuck  
Monthly WPCF Report April 2014**

This report summarizes the activities at the Borough POTW for April 2014:

**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.	-	105		
Effluent Avg.	30	7		
Removal Efficiency	85%	93%		
Plant Process Data*				
	Limit	Actual		
Carbonaceous BOD				
Influent Avg.	-	79		
Effluent Avg.	30	4		
Removal Efficiency	85%	95%		
Discharge Permit Exceedance: None				
	<b>Naugatuck</b>	<b>Middlebury</b>	<b>Oxford</b>	<b>OTR</b>
<b>Apr Flow Avg. (MGD)</b>	7.94	0.871	0.0938	N/A
Sludge Liquid Total (MGal)				3.920
Sludge Cake Total (Wet Tons)				6333.7
Septage Total (MGal)	63,240	52,250	186,750	404,275
Discharge Permit Exceedance: None				

**Safety Incidents and Odor Complaints**

	Month	YTD
Recordable Accidents	0	0
Lost Time Accidents	0	0
Odor Complaints	0	2
Unconfirmed Odor Complaints	0	0

**1. Compliance & Regulatory Issues**

- a. There was no recorded Odor Complaint for April 2014.
- b. A RATA test was performed on April 15, 2014. The original CO analyzer failed and was not economical to repair.
- c. Bypass Reports are included this month as a result of high flows from the rainfall on May 1, 2014. Copies of the Homestead sewers are also attached as there was a sewer overflow due to the heavy rainfall.
- d. A copy of the annual nitrogen credit report from CTDEEP for 2013 is attached. A refund in the amount of \$1,229 will be paid to the Borough. The refund is smaller than previous years for several reasons. In March (8.9 MG ave., 13.3 MG peak flow) and June (6.98 MG ave., 20.2 MG peak flow) of last year, there were high flows as a result of abnormal rainfall and I&I (Inflow and Infiltration) into the sewers. Since the nitrogen is based upon pounds of nitrogen, when the daily flow is high, it increases the amount of nitrogen. Because of the high flows for this April, the nitrogen pounds average was 424 lbs. The nitrogen limit this year is 246 lbs. That high April nitrogen pounds will take several months of normal flows to lower the average to 246 lbs., if at all. As you will recall, the nitrogen lbs/day limit decreased each year. The original limit in 2002 was 472 lbs. The plant averaged less nitrogen than the limit which is why the nitrogen credit payments were higher. Because the limits were higher, they were less affected by flows. For example, if you look at the Nutrient Analysis Report for April, you will note that on April 1, the flow was 9 MG, with 503 lbs of nitrogen well above the 246 lb. limit!

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**Borough of Naugatuck**  
**Monthly WPCF Report April 2014**

- e. Average plant flows for April were 7.94 MGD. The historical plant average is approximately 5 MGD. During the recent May 1, 2014 high flow event, plant flows peaked at 20.7 MG.
- 2. **Personnel**
  - a. A Maintenance Tech III (licensed electrician) was hired to fill a vacant maintenance position.
  - b. A summer intern was hired and will start May 19, 2014.
- 3. **Health & Safety**
  - a. Monthly safety meetings were held.
- 4. **Operational Information**
  - a. The inlet to the primary heat exchanger was cleaned of minor deposits of ash.
  - b. The top section of the incinerator exhaust cap developed a crack in the weld. Repairs were completed.
  - c. The #2 and #3 secondary tank drives failed in April. The wire in an original conduit shorted out. Several thousand feet of new wire (motor and controls) had to be installed.
  - d. The chlorine contact tanks received annual cleaning.
  - e. The #4 secondary tank was removed from service to repair a broken cross collector. That tank is an original tank and will require new return rails and supports. New wear strips will also be installed. Repairs will take several weeks.
  - f. The Obane odor misting equipment was placed in service.
  - g. A sump pump was placed in the hot incinerator recycle stream in the wet well. The sump pump discharge was directed into the grease that accumulates in the wet well. The hot water successfully broke up the grease. A pump will be permanently installed to keep the grease from building up in the wet well.
- 5. **Collections**
  - a. The transfer switch at the Platts Mill pump station was replaced.
  - b. The Platts Mill flowmeter received a new sensor and appears to be functioning correctly.
- 6. **Maintenance**
  - a. The third raw sewage pump installation is complete.
  - b. The hot oil cooler and piping installation is underway.
  - c. Two sections of Abel sludge cake feed piping were replaced. Approximately 98% of all sludge cake feed piping has been replaced.
  - d. All chlorination/dechlorination equipment was rebuilt and placed in service for the disinfection season.
  - e. The venturi elbow refractory was inspected and found to be in good condition.
  - f. The thermal dryer vapor fan controls were rewired.
  - g. The original Cyprus planks covering the wet well were removed as they were over 30 years' old and developed cracks. FRP grating replaced the planks and rubber mating was used to cover the grating for odor control.
- 6. Vertical conveyor 3 upon inspection revealed cracks and an imminent failure. A spare conveyor was installed.
- 7.
- 8. **Capital Projects**
  - No report.

**WPCA Regular Meeting Minutes – May 15, 2014**

7. **Adjournment.**

**VOTED:** Unanimously on a motion by Rimas Balsys and seconded by Catherine Aresta to **ADJOURN** the meeting at 6:38 P.M.

Attest: Catherine Aresta, Secretary/dl