

**WATER POLLUTION CONTROL AUTHORITY  
REGULAR MEETING MINUTES  
APRIL 18, 2013**

**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  
Chris Makuck, Veolia

**ABSENT:** Pat Mallane

**VISITORS:** George Pendleton, Kleinfelder

1. **Ron Merancy opened the meeting with the Pledge of Allegiance.**
2. **New Business and Correspondence.**
  - A. **Commission Discussion Decision Regarding 124 Beacon Valley Road Annual Sewer Use Billing Statement.**
  - B. **Commission Discussion Regarding 449 Millville Avenue Sewer Lateral Repair Relief.**

Chairman Ron Merancy stated that WPCA will not waive any of the interest charges to their account but if Roy and Ruth Nuss want to come to a meeting and speak on their behalf the commission will listen to what they have to say.

A 90 foot lateral that has had several breaks in the road, one repaired by them at about 52 feet and another was routed out, which hasn't showed a problem yet but they are concerned that there will be a problem soon.

Rimas stated they are responsible for everything from the "Y" which is the part that comes off the main line.

Jim commented that he will take a look at the video that he has to see if it is in our lines. They seemed to think it was at the connection between the two lines.

Rimas commented that if it is in the plastic part of the line it would have to be theirs and Jim commented that's what he told them.

**C. Commission Discussion Regarding 41 Washington Street Sewer Lateral Repair.**

A residential issue that one neighbors lateral goes into another neighbor's property. Recently, 35 Washington Street put in a new fence, and inadvertently might have caused the sewer line to be broken during installation of the fence. The neighbors were arguing over who's responsible for the broken pipe?

Jim commented that at this point it is not a concern for the WPCA and that the water company may be repairing the line through their line backer program.

**D. Correspondence Dated March 25 Regarding Engineering Agreement CWF Approval from CT DEEP.**

A Correspondence letter providing the WPCA to have preliminary funding approval for the I/I Study portion of the facilities plan between the Borough of Naugatuck and Kleinfelder Northeast, Inc. The cost plus fixed fee amount not to exceed \$158,918 is fully CWF eligible. The DEEP certifies that it has reviewed the sub-agreement and has determined that it is in compliance with the regulatory procedures.

**E. Correspondence Dated April 1, 2013 Regarding Engineering Agreement Approval CWF Pending – Phase 2 from CT DEEP.**

A Correspondence letter regarding the remainder of the odor study and the incinerator review including pilot testing of scrubber chemical additives and incinerator stack testing and evaluation of the WWTP odor control system between the Borough of Naugatuck and Kleinfelder Northeast, Inc. The cost plus fixed fee amount not to exceed \$282,820 is fully CWF eligible.

**F. Commission Discussion Regarding Waterbury Agreement.**

Jim explained that he met with Dennis Quaver, Water Pollution Control Manager. He wanted to talk about the expiring Waterbury Agreement and how to draft a new one by water usage being based off the 57 homes that are going to Waterbury, the total fee will be about 14,000.00 a year minus some negotiations because we also treating and pumping 17 of their homes and have some costs that should be off setting, also potential reduction in that initial rate.

Jim commented that when he collects more information he will bring in the Borough Attorney Ned Fitzpatrick and ARI and have them review it.

Jim explained that in the 25 year agreement (ending in 2010) it is written that the town bills the pump station and when they upgraded the pump station in Waterbury there was some kind of split in cost and we were portioned some kind of credit for the value of our work and used up over 25 years at \$2530.00. After 25 years of service the system will be paid off and agreement should be over in May, 2013.

The commission had a discussion regarding Naugatuck paying sewer usage fees for service in the future.

Jim also explained that Waterbury approached us about a potential sewage sludge swap they are looking at improved incinerator requirements like we are. They would like to know if we are interested in accepting their sludge through a pipeline. They are interested in potentially taking our wastewater and shutting down the treatment plant and pumping all the sewage up to Waterbury. They will treat it, discharge it and bill us every year. In exchange they will send all their sludge down to us to incinerate. Potentially it will cost less if you're doing everything in one place. Discussion to review this matter at a later date.

**G. Correspondence Dated March 26, 2013 from Chemtura Regarding Discharging Monitoring Report for February 2013, Permit SP0000065.**

No Discussion.

**3. Old Business.**

**A. Commission Discussion Regarding The Facilities Study Plan.**

The Final Contract and the Addendum regarding the Facilities Plan were reviewed by the Borough Attorney and is ready to be signed.

George Pendleton of Kleinfelder advised the commission that after they meet with Waterbury there will be one last amendment to sign.

**B. Commission Discussion Decision Regarding Authorizing A Resolution to Obtain Clean Water Fund Financing for Water Pollution Abatement Facilities.**

**BE IT RESOLVED**, that it is in the best interests of the Borough of Naugatuck Water Pollution Control Authority (WPCA) to enter into contracts with the Department of Energy & Environmental Protection. In furtherance of this resolution, Ronald Merancy the Chairman of the Borough of Naugatuck Water Pollution Control Authority is duly authorized to enter into and sign said contracts on behalf of the Borough of Naugatuck Water Pollution Control Authority. The Chairman of the WPCA is further authorized to provide such additional information



Plant Process Data*		Limit	Actual	
Carbonaceous BOD				
	Influent Avg.	-	76	
	Effluent Avg.	30	6	
	Removal Efficiency	85%	93%	
		<b>Naugatuck</b>	<b>Middlebury</b>	
<b>Oxford</b>	<b>OTR</b>			
<b>March</b>	Flow Avg. (MGD)	8.9	0.760	0.076 N/A
	Sludge Liquid Total (MGal)			
	3.386			
	Sludge Cake Total (Wet Tons)			
	6609.32			
	Septage Total (MGal)	11,250	7,000	46,250
	265,300			
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	1	2

#### 1. Compliance & Regulatory Issues

- a. There was 1 recorded Odor Complaint for March 2013 which did not correlate with wind direction.
- b. The WESP repairs have been completed. CTDEEP was notified in March by Mark Zimmerman.
- c. An NOV was received for water in the freight elevator sump. Ironically, the sump pump failed the day the inspector arrived for an unannounced inspection. Staff walks by this area several times per day. The water level had not reached the floor however it was deep enough to overflow into the elevator sump. Two new pumps were immediately ordered along with a control panel and a high level alarm. There was originally only one sump pump.
- d. CTDEEP has issued the nitrogen credit rebate amounts. The Borough will receive a check for \$39,499.
- e. The high flow event of March 11 was the root cause of a suspended solids violation. As a result of heavy rainfall, the influent flow increased rapidly causing some solids to wash out (daily and monthly max exceedance).

#### 2. Personnel

- a. On March 21, 2013 a Grievance was received alleging improper scheduling for the Maintenance department. The Grievance was denied. The grievance is in reference to the 7 day per week coverage of maintenance which starts April 6, 2013.

#### 3. Health & Safety

- a. There were no recordable safety related incidents in March.

#### **4. Operational Information**

- a. Incinerator operations for March averaged 87% capacity. Uptime averaged 95.4%, average dry ton feed/hour was 3.2 (3.5 is permit max). The incinerator was scheduled down almost 24 hours for the 53 ft conveyor replacement that month.
- b. The south ash lagoon is being relined with pond liner as it appears to have developed a very slow leak which was observed during the colder/drier months. That unscheduled project will cost approximately \$32,000.
- c. Replacement aeration diffusers were ordered (~\$33,000) and will be installed in May/June of this year.
- d. The chlorination equipment is being prepared for annual use.
- e. Wright Pierce is almost finished with the design of the hot oil cooler platform.

#### **5. Collections**

- a. UGAM was issued a PO from Kleinfelder to perform the flow monitoring of the collection system in Naugatuck. The meters are scheduled to be installed in early April and remain in place for approximately 30 days (dependent upon the weather).
- b. Information on a level meter for a manhole that can operate remotely was requested from UGAM. The proposed liquid level meter would be placed in the last collection system manhole before the plant which is located in the Naugatuck River. To reach the manhole, staff would have to cross the metro North train tracks. In addition, vegetation in the summer months makes it difficult to see this manhole. To intent is to provide an alarm when a plant bypass is imminent and a second alarm when the manhole is bypassing.

#### **6. Maintenance**

- a. The maintenance staff will be scheduled 7 days per week starting April 1, 2013. PM tasks will be performed on the weekend.
- b. New primary sludge transfer pumps should be installed in April/May. The original pumps were beyond reasonable economic repair.
- c. The 85 HP raw sewage pump installation is complete.
- d. The incinerator recycle tray scrubber water pump installation has finally started. We expect it to be completed by the end of April.
- e. The schedule 160 Abel discharge piping fabrication is 90% complete.
- f. On Friday, March 8, 2013 vertical conveyor IC1 screw broke at the connector plate. The horizontal screw went forward into the vertical screw VC2. As VC2 was examined we found multiple cracks in the inner spiral. There has been some initial correspondence with David Reece from Spirac.
- g. On Friday March 15, HFC conveyor broke while the other side was under inspection. This was not the first time this conveyor failed.
- h. Northeast Water is inspecting the outside Spirac conveyors and replacing the liners as needed.
- i. The 53 foot conveyor was replaced (\$4000) on March 18. All parts are staged and ready for installation. Our staff will assist Northeast Water.
- j. Due to the lack of proper headworks the bulk of the problems in the primary tanks continue to be caused by rags on sprockets and grit. Additional spare parts will be required. The cross collector flights installed about 2 years ago are showing signs of wear from the grit. The recent high flows have flushed the grit into the plant and as such caused considerable problems with the primary tanks. There are many broken flights and connecting links as a result of the grit.

#### **6. Capital Projects**

- a. The Pillar turbo aeration blowers (\$325,780) have been ordered with a June 2013 arrival date. The approved incentive from CL&P was \$254,600 which is applied toward to blower cost/installation.

Borough of Naugatuck  
Collections Systems Report  
Mar-12

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Calls for Service:		This Month	Contract
		1	Year to Date 6
1	57 Lewis Street		
2	473 Mulberry		

Calls Caused By Collection System:		Reason
1	57 Lewis Street	T-shirt was jammed in line
2	473 Mulberry Street	Roots and debris

Line Flushing (feet)		This Month	Year to Date
		15905	122005
		Feet	
1	Spruce Street Easment	320	
2	Homestead Ave	325	
3		300	
4	Hillcrest Ave	245	
5	Woodland Ave	230	
6		6 Month 475	
7	Buritt Place	380	
8	Hickory Road	540	
9	Albion Street	350	
10	Morris Road	210	
11	Johnson Street	230	
12	Morning Dove Road	475	
13		455	
14		530	
15	Moonlight Circle	6 Month 400	
16		6 Month 420	
17	Moonlight Circle Easment	425	
18	Morning Mist Road	565	
19	Morris Road	300	
20		375	
21		500	
22		325	
23	Lewis Street	Call in 345	
24	Manners Ave	6 Month 695	
25	Tawnt Thrush Road	6 Month 600	
26	Bowman Drive Siphon	6 Month 300	
27		350	
28	Beacon Vally Road	6 Month 600	
29	Sheffield Lane	175	
30		6 Month 320	
31		320	
32	Fairview Lane	400	
33	Locust Street Easment	300	
34	Locust Street	6 Month 475	
35		200	
36	Endogen Street	6 Month 400	
37	Albert Ave	75	
38	Stanley Street	6 Month 235	
39	Woodbine Street	200	
40	Golden Hill Court	260	
41		6 Month 345	
42	Prospect Street Siphon	6 Month 345	
43	Mulberry Street	Call in 245	
44	Baldwin Street	6 Month 345	

Line TV (feet)		This Month	Year to Date
1	None	0	825
2		0	
Root Treatment (chemical or simply use of root cutter)		0	3250
1	None	0	
2			

**Pump Station Cleanings:**

1	None
2	
3	

**Pump Station Inspections:**

1	03/01/2013 Checked all 5 stations
2	03/07/2013 Checked all 5 stations
3	03/13/2013 Checked flow at all 5 stations
4	03/15/2013 Checked all 5 stations
5	03/22/2013 Checked all 5 stations
6	03/28/2013 Checked all 5 stations

**Vac Truck Information**

Days Out In Use	This Month	Remaining
Contract	14	33
150		

**Fuel Information**

Fuel Cost	Fuel Used	Gal	Total Year to Date Gallons
\$200.00	44.9	Gal	895.6
\$200.00	44.9	Gal	
<b>This Months Total</b>	<b>\$400.00</b>	<b>89.8</b>	<b>Total Year to Fuel Date Cost \$5,246.00</b>

**vac truck**

Mileage	YTD	Engine Hours
Month Start	161761	Month Start 4234.1
Month End	162460	Month End 4283
Total	699	Total 48.9

**Utility Truck Fuel Information**

Fuel Cost	Fuel Used	Gal	Total Year to Date Year Date Gallons
\$136.00	30.5	Gal	384.848
\$136.10	30.5	Gal	
\$130.02	29.8	Gal	
<b>\$402.12</b>	<b>90.8</b>	<b>Gallons</b>	<b>Year to Date Fuel Cost \$1,702.14</b>

**Highlights**

03/01/2013 Vacced and cleaned Primary Clairifier  
 03/04/2013 Filled out monthly report. Cleaned trucks. Picked up materials for plant at a few stores.  
 03/05/2013 Uncovered paved over manhole on Hickory Road.  
 03/07/2013 Un-plugged secondary tank sludge line.  
 03/11/2013 Vacced out Primary Clairifier sump to get sump pum unstuck. Vacced some solids off of the top of contact tanks.  
 03/12/2013 Took truck to DiGennaro for a quote on cracked tank brakel replacment/fix.  
 03/14/2013 Installed the new pump 3 at Inwood Pump Station. Pumps still to not alternate correctly.  
 03/18/2013 Vacced out spetic drop area's drain.  
 03/21/2013 Made small report for the pump stations.  
 03/25/2013 Checked manholes on streets that CT Water will be working on this summer. Most need to be updated because they are

lids that are out of date, and replacment lids can not be purchased. One needs to be uncovered and risers installed.  
03/26/2013 Did spring cleaning on our vactor truck drop area.  
03/27/2013 Made a list for UGAM of I&I areas.

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6. **Adjournment.**

**VOTED:** Unanimously on a motion by Catherine Aresta and seconded by Rimas Balsys to **ADJOURN** the meeting at 6:42 P.M.

Attest: Catherine Aresta, Secretary/dl