

**WATER POLLUTION CONTROL AUTHORITY  
REGULAR MEETING MINUTES  
JUNE 19, 2014**

**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  
Pat Mallane  
Catherine Aresta, Secretary

**OTHERS:**

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

**VISITORS:**

Attorney Michael McVerry  
George Pendleton, Kleinfelder  
Daniel Gorka  
TRC Members (3)  
Remz and Vesel Nasufi

1. **Ron Merancy opened the meeting with the Pledge of Allegiance.**
2. **No Executive Session.**
3. **New Business and Correspondence.**
  - A. **Commission Discussion on a Special Permit Application for Approval Regarding a Proposed Retail Building Located at 42-46 Prospect Street with Attorney Michael McVerry, Remzi and Vesel Nasufi.**

**VOTED:** Unanimously on a Motion by Pat Mallane and seconded by Catherine Aresta to **ACCEPT** a **Special Permit Application for the Proposed Retail Building Located at 42-46 Prospect Street, Naugatuck, CT with a more Detailed Set of Revised Plans** Submitted for Review to the Director of Public Works, Jim Stewart or the Borough Engineer, Wayne Zirolli and Subject to Complying with the comments of the WPCA Engineering Report written for this project.

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

## WPCA Regular Meeting Minutes – June 19, 2014

### WPCA Engineering Report

Project: 42-46 Prospect Street: Special Permit Application for a Proposed Retail Building

The applicant: Remz and Vesel Nasufi

Comments: James Stewart, P.E. & L.S., Director of Public Works

Special Permit Application on a Proposed Retail Building to be approved with the following conditions:

1. The sewer connection fee shall be paid prior to construction.
2. A clean out shall be installed at the lateral connection with the grease trap
3. Clean outs shall be installed a 75' intervals
4. The applicant shall provide the invert of the lateral connection to the sewer main.
5. The applicant may wish to consider connecting to the sewer in Golden Hill Street to avoid the State Highway.
6. The sewer lateral must be shown to connect to the sewer main.
7. The WPCA approval will expire after 5 years if construction is not begun.
8. 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.

**B. Presentation with TRC Regarding Reports on the Evaluation of Naugatuck Water Pollution Control Authority (WPCA) Wastewater Treatment Facility Odor Control System and the APC Equipment Vendor Options to Meet New Emission Limits.**

TRC commented that in May 2013 TRC was sub-contracted by Kleinfelder to assist with the facility study. In June 2013 TRC conducted a site visit for an APC equipment assessment. Also commented that the Incinerator itself (Fluidized bed combustor) is in mostly good condition, it has just a few minor issues, mostly related to insulation conditions. The wet scrubbers are in good condition. The East WESP is out of service due to severe corrosion issues. The West WESP has similar corrosion damage and needs replacement soon.

The Chemtura Scrubber (proposed for odor control) is in good condition but additional engineering and refurbishment is required before proceeding. The WESP water flow, scrubber PH, and combustion temperature must now be monitored. Acid gases may need to be controlled further, but that can be achieved by pH control in the wet scrubbers. Lead average is above the new limit and a replacement WESP with stronger electrodes will control it.

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The recommended replacement WESP selection total installed cost should be 1.8 million dollars and the annual operating cost should be 274 thousand dollars plus or minus 30%.

Mercury emissions are consistently above the new guidelines and must be reduced. Mercury sorbent capture is proposed and the recommended selection total installed cost should be 1.1 million and the annual operating cost should be 213 thousand dollars plus or minus 30%.

Overall cost of APC equipment to meet new subpart M MMM compliance total installed cost should be 2.9 million dollars and the annual operating cost should be 538 thousand dollars plus or minus 30%.

The next steps for APC equipment are to:

- Prepare preliminary engineering design and specifications for procurement and installment of the recommended incinerator APC system upgrades; specifications would be written for a turnkey design / build design.
- Solicit proposals for a complete turnkey design / build package to include final detailed design, equipment, installation, modifications to the existing system and building, foundations / structural supports, electrical and controls.
- Prepare and submit an application for a Permit to Construct to CTDEEP.
- Perform an air quality assessment per 40 CFR 503.40

The Odor Control Evaluation in June 2009, CTDEEP Consent order #2048 in response to odor complaints is to comply with RCSA 22a-174-23 “Control of Odors.” In November 2009, the Wright-Pierce Odor Control Evaluation Report recommended 29 improvements to mitigate odorous emissions. The CTDEEP approved Wright-Pierce report and directed that it recommended improvements be implemented. In January 2014, the Evaluation of Odor Control System reported that 15 of the feasible recommended improvements had been implemented, community odor complaints have decreased since peaking in 2009, number of odor complaint days has decreased since 2009 and area of complaints is much reduced since 2009. In evaluation of the odor control system, if odor complaints continue following the planned facility upgrades, TRC recommends control of high impact, low cost emissions controls; Primary Settling Tanks (new exhaust duct system, modify existing scrubber media, chemical feed and circulation) and the Screening and Wet Well (install barometric damper on exhaust duct, balance air flow to dewatering area scrubber to obtain 1,500 CFM from below wet well covers).

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The next steps for Odor Control are to:

- Submit a TRC report to CTDEEP and request a close-out of Consent Order.
- If CTDEEP does not close Consent Order; it should implement recommended controls on Primary Settling Tanks and Screening / Wet Well Area; If directed, sample for odorous compounds listed in Table 23-1 of regulation; if directed quantify odor emission rates of facility sources and conduct odor dispersion modeling to identify significant contributors to ambient odors; and Recommend additional improvements to significant emission sources.

**C. Correspondence from Chemtura Dated April 18, 2014 Regarding Discharge Monitoring Report for March 2014.**

No Discussion.

**D. Correspondence from Chemtura Dated May 22, 2014 Regarding Discharge Monitoring Report for April 2014.**

No Discussion.

**E. Commission Discussion Regarding Correspondence from City of Waterbury Dated June 9, 2014 Regarding FY 2014 Intermunicipal Billing Invoice.**

Jim Stewart commented that this is a bill that Waterbury wants us to pay for the Platts Mill flow and current year that we do owe them for. It's a fair structure of the billing. If we do agree, the final amount will be based on the actual flow meter and the actual user rate charge agreed to in the municipal agreement.

Ron Merancy asked if this is different in theory from what we charge Beacon Falls on Cotton Hollow?

Jim Stewart commented that in theory everyone is already paying their portion of the cost through their taxes.

Ron Merancy asked Jim Stewart if this has anything to do with the Naugatuck Plant; and Jim replied nothing, it's treated by Waterbury other than we maintain the pump station.

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Jim Stewart commented that we have been using their system for more than a year and Waterbury wants to start the billing cycle. The final invoice will be adjusted to what we already used.

### **4. Old Business.**

#### **A. Commission Discussion Regarding the Facilities Plan Update.**

George Pendleton of Kleinfelder reported that they have met with DEEP last week on the NPDES Permit which is tied into the facilities plan on guidelines for the permit for the facility plant. In a couple of weeks they will enter into the new fiscal year which is based on the taxable schedule which will allow us to proceed and begin the process over the next year. George also reported that the most recent draft letter of April 1<sup>st</sup> from the state included two issues; the CBOD and the phosphorus limits. DEEP offered the option of inner limits which requires some immediate removal work primary for the CBOD issues that would show to be cost prohibited and for the phosphorus offer inner limits of .7 milligrams per liter. If the Borough agrees to go to .7 milligrams per liter, essentially immediately and maintain that limit they would get one extra year of full compliance on the final limit in the draft permit. It will require immediate implantation of additional chemical addition to tack a relatively high cost.

George commented that it looks like the decision at this point is to accept the most recent draft permit and allow DEEP to proceed to the plan with the compliance of the permit.

#### **B. Commission Discussion Regarding the Waterbury Sewage Sludge Study Update.**

George Pendleton of Kleinfelder reported that he met with Middlebury Attorney and the Borough Attorney within the last couple of months. Most recently, George had several meetings and discussions with Waterbury. Also, last week George, Jim Stewart and Attorney Fitzpatrick met with Middlebury and also with DEEP at Waterbury's request. Waterbury wanted to state their case one more time should the project become available for the additional funding.

#### **C. Commission Discussion Regarding the North Main Siphon Repair Update.**

No Discussion.

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**5. Acceptance of Regular Meeting Minutes for May 15, 2014.**

**VOTED:** Unanimously on a motion by Rimas Balsys and seconded by Pat Mallane to **ACCEPT** the Regular Meeting Minutes for May 15, 2014.

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

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

**A. Veolia Odor Complaint with John Batorski.**

John reported on an odor complaint that came in near a baseball field. It was confirmed that it was coming from a truck hauling sludge. They were at the WWTF waiting in line to dump.

Jim Stewart asked John: If once they are on site to dump, do they consider that part of the WWTF odor or do they actually have to dump it?

Dan Gorka, Veolia's Area Manager responded to say that they do not take ownership of sludge until it's off the truck.

**B. Monthly Operations for May 2014.**

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

This report summarizes the activities at the Borough POTW for May 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.	-	118		
Effluent Avg.	30	5		
Removal Efficiency	85%	96%		
Plant Process Data*				
	Limit	Actual		
Carbonaceous BOD				
Influent Avg.	-	85		
Effluent Avg.	30	6		
Removal Efficiency	85%	93%		
Discharge Permit Exceedance: None				
	<b>Naugatuck</b>	<b>Middlebury</b>	<b>Oxford</b>	<b>OTR</b>
<b>May Flow Avg. (MGD)</b>	8.6	0.990	0.088	N/A
Sludge Liquid Total (MGal)				3952.5
Sludge Cake Total (Wet Tons)				5838.4
Septage Total (MGal)	64,900	50,250	186,250	700,100
Discharge Permit Exceedance: None				

**Safety Incidents and Odor Complaints**

	Month	YTD
Recordable Accidents	0	0
Lost Time Accidents	0	0
Odor Complaints	1	3
Unconfirmed Odor Complaints	0	0

**1. Compliance & Regulatory Issues**

- a. There was one recorded Odor Complaint for May 2014.
- b. Bypass reports were filed for a raw sewage bypass on May 1, 2014 as a result of heavy rainfall (l&l).

**2. Personnel**

- a. A summer intern started May 19, 2014.

**3. Health & Safety**

- a. Monthly safety meetings were held. The Carus representative (potassium permanganate) was onsite for this month's safety meeting. He provided safety training regarding potassium permanganate.

**4. Operational Information**

- a. The incinerator was operating from May 30<sup>th</sup> through June 4 at reduced capacity as a result of scheduled repairs to the thermal dryer.
- b. On May 20<sup>th</sup> 5 students and 2 teachers from Naugatuck High School along with Wayne Zirrolli and Jim Stewart (Borough) toured the facility as part of school government day.
- c. On May 1 heavy rainfall produced influent flows exceeding 20 MG.
- d. 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. This task is ongoing.

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

- e. Two submersible mixers failed in aeration anoxic tank 4 on Friday, May 30, 2014. One submersible mixer seal failed thus the motor will require a rebuild. The other mixer shaft support bracket broke. Repairs will be scheduled.

**5. Collections**

- a. The Platts Mill pump station flowmeter and pumps are under additional review. In addition, the pump station signs were vandalized (spray painted).

**6. Maintenance**

- a. Repairs have started on secondary tank #4. New support rails, brackets, wear strips, chain and collectors will be installed.
- b. One 2000 amp electrical breaker randomly opens. A shutdown is being scheduled to pull the switchgear and inspect it to determine why it opens.
- c. The hot oil cooler and piping installation is underway.
- d. Northeast Water performed annual inspections and maintenance on the Spirac and related conveyors.
- e. The soft start for the ID fan was changed on May 20. That soft start was found to be defective. The replacement is estimated at \$7k.
- f. The thermal dewatering unit received a new drive shaft, bearings, sleeves, packing, and rotary seals.

**6. Capital Projects**

- a. The hot oil cooler project is underway. Lead times for obtaining the pipe hangers have delayed the project. Completion is expected by the end of June/early July.

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**7. Add to Agenda: Commission Discussion Regarding Charging for Septage.**

**VOTED:** Unanimously on a motion by Rimas Balsys and seconded by Catherine Aresta to **ACCEPT** the Motion to **ADD** to the Agenda the Commission Discussion Regarding Charging for Septage.

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

Jim Stewart commented that he spoke with John Batorski and Dan Gorka and also mentioned that it has been talked about in the past with attorneys regarding starting to charge Oxford residents for Septage when they get their septic tanks pumped. Right now, by contract Veolia cannot charge Naugatuck, Oxford and Middlebury residents. Jim said he looked specifically at the Oxford Contract and it doesn't say anywhere in there that we cannot charge them. It specifically says there annual fee is \$450,000. It doesn't say anything of being part owner of the plant or taking benefits of the incinerator like Middlebury does, therefore, Jim doesn't think they should get benefits of free septic dumping.

Chairman, Ron Merancy asked Jim, what if they come back and asks what would the \$450,000 a year get them? Jim told the commissioners that Oxford and Middlebury residents are charged sewer usage fees.

Jim mentioned that the potential revenue the Borough is missing out on in average is about \$132,000 from Oxford, \$32,000 from Middlebury and \$50,000 from Naugatuck.

Jim's recommendation to the commissioners was to have a public hearing.

**8. Adjournment.**

**VOTED:** Unanimously on a motion by Rimas Balsys and seconded by Catherine Aresta to **ADJOURN** the meeting at 7:22 P.M.

Attest: Catherine Aresta, Secretary/dl