

WATER POLLUTION CONTROL AUTHORITY
REGULAR MEETING
JANUARY 13, 2016

The Regular Meeting of the Water Pollution Control Authority was called to order by Commissioner at 7:00 P.M. in the Shelton City Hall, 54 Hill Street, Shelton, CT. 06484, on January 13, 2016.

The following Commissioners were present to constitute a quorum:

Commissioner Stephen Morse
Commissioner Edwin Hellauer
Commissioner Todd Dowty
Commissioner Joseph Frolish
Commissioner Donald Ramia
Commissioner Stephen Chuckta, Jr.

Also in attendance were:

Thomas Sym, Sewer Administrator
Peter Pavone, Asst. Sewer Administrator
Ed Comboni- WPCP
Garritt Ogden- WPCP
Matthew Jermine- Fuss & O'Neill

1. THE PLEDGE OF ALLEGIANCE

The Pledge of Allegiance was recited by all.

2. PUBLIC PARTICIPATION

There were no members of the public wishing to address the Commission.

Add-ons

A motion was made to add-on Items:

- ***6-B Fuss & O'Neil Invoice, in the amount of \$8,636.50***
- ***6-C Establishment of '16-'17 WPCA Budget Preparation Schedule.***

Seconded by Commissioner Ramia. A voice vote was taken and the motion passed.

3. APPROVAL OF MINUTES OF REGULAR MEETING OF November 10, 2015

A motion was made by Commissioner Hellauer to approve the following meeting minutes:

Regular Meeting of November 10, 2015

Seconded by Commissioner Frolish. A voice vote was taken and motion passed.

4. COMMUNICATIONS

A. ASSISTANT TO WPCA REPORT

Peter Pavone presented the monthly FOG report, for the months of November and December. The number of inspections that were due in November were 18 and we completed 22. For the month of December, the number of inspections that were

due were 13, and 14 inspections were completed.

There were 2 failures: For the month of November there was a reported failure for Dee's Kitchen (formerly Stockbridge's). The AGRU unit was not functioning at Dee's Kitchen. For the month of December, there was a failure at Brick's & Barley; the GFI was not working. Just to let you know for the record, both failures were rectified before December 31, 2015 because this is around the time that the Board of Health calls us to see if there is anyone that is delinquent for the renewal of their food license. Lori is also in the process finalizing and collecting \$50 renewal fee from all of the restaurants that are out there; I believe she said that about $\frac{3}{4}$ of the payments were collected. We closed out the outstanding failures from the previous month: Artan's- unit functioning, unit cleaned, maintenance log; Wellington's - unit is functioning; Red Lotus - grease, wiper blade, and maintenance log was addressed.

The first graph from Steve, Pump Station Grease Removal (lbs/mo), the trend line since 2011 shows us decreasing; it looks like it was around 600 new pounds per month to roughly 410 pounds per month.

The next graph to look at is the Total Pump Station Grease Removal for Upper Route 8 from August to December 2015. We had a big spike in the middle; the trend line in this graph shows a decrease there.

I was talking to Tom Sym about this, that one of the things that is helping us is Outback Steakhouse; it has an undersized tank of 1,000 gallons and they are pumping every month, and that is showing good results for us. Chili's Restaurant is pumping every other month, rather than quarterly. The ordinance calls for a minimum of quarterly, and we have them pumping every two months. Also, Ruby Tuesday's is pumping every two months; Longhorn Steakhouse is pumping every three months and they have a bigger tank than Chili's Restaurant. The tank at Longhorn Steakhouse is larger than Chili's so that is why there are different pumping schedules in the same plaza.

B. SUPERINTENDENT'S REPORT

Ed Comboni: The average daily flow was 2.1 MGD; the peak flow for the month of December was 3.0 MGD.

Our effluent total nitrogen was 68 pounds per day; the limit was 106 pounds per day. We pumped out 253,500 gallons of sludge.

We now have had 55 months free from any accidents.

Our safety/training was lifting and back protection / snow removal.

Our chemical consumables were approximately the same.

The grease removal for Upper Route 8 was 80 pounds, Lower Route 8 was 60 pounds, River Road was 110 pounds, Ladas Place was 70 pounds and Meadowlark was 60 pounds, for the month of December.

From comparing December 2014, the total was 390 pounds, and in December 2015, the total amount of grease was 380 pounds.

We have had 0 complaints this month, making it a total of 40 months free of noise complaints.

We have had 0 odor complaints, which brings us to 31 months of no odor complaints.

The daily maintenance was basically the same. The corrective maintenance included replacing fuses in Positive Displacement Blower, serviced River Road and Beard Sawmill Generators, replaced check valve for thickened sludge pump,

changed oil in grit auger gearbox, and corrected and calibrated flow meter for Ladas Place Pump Station.

The future work includes potable water line replacement, sludge building piping, exterior pipe re-wrapping, fuel gauge on BSM generator, and rebuild #3 Pump at Bridgeport Avenue Station.

C. BUDGET WORKSHEET

None presented.

5. OLD BUSINESS

A. FUSS & O' NEILL STATUS REPORT

1. Referendum Project Items

Matt Jermine: We had a meeting with the Mayor on November 24, 2015, and we had talked about the four projects for the bond referendum coming up. This brochure summarizes the four options that we had talked about. The four options are the Infrastructure to Eliminate Sewage Charges Paid to Stratford, High Efficiency Aeration Diffusers, Solarize the Treatment Plan and Rehabilitate the Collection System. When we met with him, he was very receptive to these project ideas, with the exception for the solar project at the Water Treatment Plant.

➤ Infrastructure to Eliminate Sewage Charges Paid to Stratford

Matt Jermine: Coming out of that meeting, we had the figure of \$7,000,000; we had agreed that it would make sense to do some conceptual planning to try to quantify that and what are the several components of it. The Mayor is probably hoping that the number is high, and as a WPCA you want to make sure that it is not very low so that is something that we need to look at.

➤ High Efficiency Aeration Diffusers

Matt Jermine: The Mayor seems to understand based on the deficiencies at the plant from the original design that your hydraulic capacity is still around 2.2 MGD for the last month, and the overall plant is rated over 4 MGD. As far as nutrient loading, when they had estimated the BOD and nitrogen gets to the plant, your nutrient loading is close to being maxed out. We spent some time looking at that in 2012, but the numbers that they designed at the plant were at 30% low compared to what you get for the waste water strength. So that means by the way from when the plant was designed, it was inadequate tank aeration issues. We would like to put fine bubble diffusers for this project; the pattern of the aeration is a lot smoother across the entire tank, instead of in the middle. That would save us a lot of electricity with more efficiency, it will give you more oxygen per cubic feet of the tank so you will be able to treat the waste water a lot better, and you will be back at around 50% more capacity. The Mayor thought that was a good idea; we have an existing task where we could refine those numbers a little more. That was something that he wanted to look at a little more, so we could do that over the next month. We already have some costs factored, some of the different components. It is a big number, but it makes sense as a referendum number so I am going to develop that cost better and more presentable to the Mayor.

➤ Rehabilitate Collection System

Matt Jermine: We came up with \$500,000 per year, for four years. The Mayor mentioned that there were possibly some City funds that could pay for a small portion of it. We were asking for a larger referendum amount so that we would have enough to continue this program for over the next four years. So I think we

have to reinforce that the next time we meet with him. Again, when meeting with him a lot of the discussion was about how could we get some value out of this, and to try to contain the project cost. Is there a different approach that we could take to try to save the City some money? That was the type of discussion that we had with that; we will just have to talk to him about that again.

The next thing that I have is an authorization for the WPCA for a conceptual planning of the infrastructure to eliminate sewage charges that are paid to Stratford, the amount of \$7,400. That is around 58 hours of Fuss & O'Neill time. We want to: conduct a design workshop meeting with the Sewer Administrator, summarize the design criteria, create USGS plan view of the force main alignment, generate profile of the gravity sewer and force main alignment, site the pump station at the existing landfill transfer station, general identify other items such as downstream improvements, prepare conceptual opinion of project cost for 2016 referendum vote, summarize conceptual planning in a brief technical memo, attend stakeholder meeting (WPCA/Mayor/Sewer Administrator).

A motion was made by Commissioner Hellauer to approve the authorization, in the amount of \$7,400, for the conceptual design of infrastructure to eliminate sewage charges paid to Stratford, with funds to come from the Sinking Fund.

Seconded by Commissioner Ramia. A voice vote was taken and the motion passed.

2. Treatment Plant Booster Pump System Repair

- Piping in Sludge Processing Building – work to resume on Tuesday
- Punch list items:
 - : Installation of diaphragm seals – In Progress
 - : Fine-tuning PLC software controls – In Progress

3. DEEP Surprise Inspection of the Plant for Consent Order Noise & Odor (1/4/16)

- Inspector was impressed with the progress made at the plant
- No violations or problems were indicated during the inspection

4. Assignment Log Sheet

All of the budgets look good except for the plant water system repair work that is being done. My budget is high on that because of the contractor; that we lost trust in him. After that, we made a decision when he out there working someone from Fuss & O'Neill is watching him to make sure he does the work in compliance with the plans.

6. NEW BUSINESS

A. SEWER ADMINISTRATOR'S REPORT

Tom Sym: The cleaning televising crew finished up around mid-December. We had around 35,000 feet that was televised and cleaned. They found a couple of sheared pipes where we have some infiltration; we did not get the videos back yet and when we do will put them on a list for next year's lining operation. We are starting to go back through the previous years' reports, and picking out which areas need to be lined. Wheeler Street needs it because all of the flow is coming from Shelton High School, Shelton Senior Center; it needs to get fixed before it comes apart. We should get another section of Shelton Avenue and Wooster Street repaired.

On Friday, January 15th we need to send in our report for the Consent Decree it goes to the EPA and DEEP. On every report I say we are trying to get out of the Consent Decree, and no one says anything. In the Consent Decree it does explain how to get out of it by having an attorney send out a certified letter, and that is probably what

we will give Tom Welch.

We replaced around 50 manholes; we did around 13,000 feet of root control, cleaning and televising so we are proactive on this.

B. BILLS RENDERED

(1) FUSS & O'NEILL INC.

\$8,636.50

A motion was made by Commissioner Ramia to pay Fuss & O'Neill \$8,636.50.

Seconded by Commissioner Frolish. A voice vote was taken and the motion passed.

C. ESTABLISHMENT OF WPCA '16/'17 BUDGET PREPARATION SCHEDULE

Commissioner Morse: Tom, when would you like the final meeting for the budget?

A Budget Work Session is scheduled to be held on March 8, 2016 @ 4:00 P.M. All members agreed.

8. ADJOURNMENT

A motion was made by Commissioner Ramia to adjourn the January 13, 2016 Regular WPCA meeting at 8:15 P.M.

Seconded by Commissioner Dowty. All were in favor and motion passed.

Respectfully submitted,

Brittany Gannon, WPCA Clerk