

WATER POLLUTION CONTROL AUTHORITY
REGULAR MEETING
AUGUST 8, 2018

The Regular Meeting of the Water Pollution Control Authority was called to order by Commissioner DeAngelis at 7:02 p.m. in the Shelton City Hall, 54 Hill Street, Shelton, CT, 06484, on August 8, 2018.

The following Commissioners were present to constitute a quorum:

Commissioner G. Michael DeAngelis
Commissioner Stephen Morse
Commissioner Edwin Hellauer
Commissioner Stephen Chuckta
Commissioner Donald Ramia

Also in attendance were:

Thomas Sym, Sewer Administrator
Peter Pavone, Asst. Sewer Administrator
Ed Comboni, WPCP
Garritt Ogden, WPCP
Matthew Jermine, Fuss & O'Neill
Jim Swift, to present a Riverview Avenue application

1 THE PLEDGE OF ALLEGIANCE

The Pledge of Allegiance was recited by all.

2 PUBLIC PARTICIPATION

No one from the public wished to be heard.

3 APPROVAL OF MINUTES OF REGULAR MEETING OF JULY 11, 2018

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

Regular Meeting of July 11, 2018

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

4 COMMUNICATIONS

A ASSISTANT TO WPCA REPORT

WPCA report made by Peter Pavone.

In July, 15 inspections were due and 22 were completed, of which 22 passed and 0 failed.

Shelton's Bertucci's has gone out of business, and so will no longer be inspected.

Outstanding failures include (with months they failed in parenthesis, when such information was given): Stop & Shop, which we are trying to get to transition from partial to full pumpings of their tank; Dutchess, which may need a pumping frequency adjustment; JC's Sports Bar & Grill, because of a motor issue; Hunan Pan's motor failed; Wild Kanji (Jan and May) looking at system redesign, after failing multiple times when samples were taken; Ruby Tuesday, failing a second time; Baingan; Burger King (Dec); and LongHorn (Jan).

Closures of former issues: JC' Sports Bar & Grill had failed because of a motor issue, but is now passing. Five Guys replaced elbows with tees. Public schools ESS, LHS, SHS and SIS: BOE staff replaced blades and wheels on grease stoppers.

B SUPERINTENDENT'S REPORT

Superintendent's Report for July 2018 was delivered by Ed Comboni.

The average daily flow was 1.9 MGD; the peak flow for was 2.4 MGD.

Our effluent total nitrogen was 237 pounds per day. The limit was 106 pounds per day. Monthly sludge trucked was 41+ dry tons.

We now have 86 months free from any accidents.

Our safety/training: Turbo blower ops and start ups.

Our chemical consumables were 45 gallons/month of polymer; 135 pounds/month of bacteria; 200 gallons/month of neutralize; 80 gallons/month of foam free; and 4982 gallons/month of NaOCL.

We now have 71 months free from any noise complaints.

We now have 1 month free from any state issued odor complaints at pump stations and the treatment plant, but there were some complaints by individuals.

Commissioner DeAngelis asked if the odor complaint registered last month has been resolved. Ed said that they have taken care of the odor. There was discussion about calls, in general, received about odor concerns, and further discussion was made about the possible source of the odor.

Grease removal: Upper Route 8, 80 lbs; Lower Route 8, 140 lbs; River Road, 120 lbs; Ladas Place, 120 lbs; and Meadowlark, 80 lbs. Total grease removal was 540 lbs. The total in July 2017 was 370 lbs, with a delta of 170 lbs.

There was a report that, on one day, 60 lbs of were pumped in the Lower Route 8 station.

Preventive maintenance: weekly SBR maintenance; lube bar screen; lube main pumps; lube grit collection system; lube plant water system; and lube rotary drum thickener.

Corrective maintenance: Repaired Level indicator for SBR 3; replaced peristaltic tubing on 24 hour sampler; added Phase loss monitor to Main Pump 3; and install VFD for sump pump in main pump room.

Future work consists of keeping on top of all equipment and controls with daily checks, and repair anything as needed.

Overtime reported.

Overtime was relatively low this month. What overtime did occur included work on the bar screen, cleaning, call backs and construction.

It was determined that the new bar screens were in, but not yet operational.

C BUDGET WORKSHEET

Just got the worksheet. Too early in the session to learn anything from it.

D CONSENT DECREE INFORMATION

Tom Sym reports that this is nearly terminated.

5 OLD BUSINESS

A FUSS & O'NEILL STATUS REPORT

Process control improvement project: Band screen installation will occur until the end of August, with the startup projected for the week of September 3rd.

SBR 4's start up diffuser testing: After making minor improvements, SBR 4 is now on track to be put online the week of September 3rd. SBR 3, then 2, then 1 will all be addressed in the near future.

Startup for blowers and sludge aeration: Sludge blower operated from 11:30pm to 2am, while many residents were asleep. Entire operation went well that night, according Matt.

UI later inspected work, and asked that Nickerson order be completed.

Pictures showing process were passed around. Commissioner DeAngelis complimented Matt on how the photos well represented the progress on the WPCP Process Improvements.

There was much discussion about an abnormally (i.e. hasn't happened before) high sewer system inflow this month. A one inch rain will cause two pumps to need to be processed; usually two pumps are only needed for hurricanes or three inch rains. A possible source of the high inflow is the pipes that have been opened by development and demolition around Canal Street.

To determine the exact source of the excessive flow, Matt proposed planting micrometers, which would detect excessive flow after a sudden, heavy rain storm; we would pull each from the ground and read it after such a storm.

We would need multiple storms to pinpoint the source, but serendipitously, this summer has so far had multiple sudden, heavy rainstorms (which may themselves contribute to excessive flow). This excessive flow should be treated seriously, as it could be a significant problem come a wet spring. We'd plant six micrometers at main junctions; after a storm, we'd redeploy the six where a hit is found, and continue until the source is isolated. We would start measuring with micrometers around Start with Canal Street. When we have collected data from the micrometers, then we'd bring in the televising crew.

This method would be more economical, and just as effective, as hiring a company to provide real time data of flow; it would cost a relatively small \$16,000. By purchasing micrometers, we will also be able to keep them for future use.

Technical details of the micrometers were discussed.

Committing 66 hours and paying for micrometers, a budget was presented by Fuss & O'Neill, through Matt, for \$16,000.

Matt already had already prepared this work order. Commissioner DeAngelis expressed concern that this proposed cost was not explained with enough detail, including how many sensors would be purchased, and what the hourly rate is. Commissioner DeAngelis wished to

look over a version of the budget sheet, in which costs were explained most specifically. However, there was an overall desire to start metering as soon as possible, (especially to take advantage of rainy season) and so a motion that met both needs was made:

A motion was made by Commissioner Hellauer for Fuss & O'Neill to send a detailed budget sheet, specifying how the \$16,000 for the micrometer project will be spent, to Commissioner DeAngelis. Commissioner DeAngelis will then have the authority, on behalf of the WPCA, to sign or reject this Fuss & O'Neill proposal.

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

Commissioner DeAngelis asked if there was progress on what qualifies as illegal dumping. Matt says he hasn't yet.

6 NEW BUSINESS

A BILLS RENDERED

1 C.H. NICKERSON

A motion was made by Commissioner Ramia to pay C.H. Nickerson \$253,427.89.

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

2 FUSS & O'NEILL

No bills rendered.

3 FUSS & O'NEILL

No bills rendered.

B RIVERVIEW AVENUE APPLICATION

Presented by Jim Swift.

The application mainly deals with a lot with a two family house being demolished and a three family house going in. Currently the lot pumps to a manhole up the hill. There are other houses also pumping up the street.

The proposal is to add a city line in the form of a low velocity force line. The houses are too far to have individual pumps, and this line may help other houses on the street. This would be a two inch line.

Matt was given the calculations.

A motion was made by Commissioner Hellauer to accept the Riverview Avenue Application.

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

C SEWER ADMINISTRATOR'S REPORT

Reported by Tom Sym.

A contract was put out for manhole raising, on 30-40 manholes. There were 2 bidders. The lower bidder, Prime Electric, charges \$900 per manhole.

Corporation Council to approve a bid for cleaning and televising. There were 2 bidders: National Watermain and DIS. Tom recommended using DIS, whom we've used for 10 years.

Tom will meet tomorrow to discuss issues concerning the pump at Saw Mill Road. The road must be made more level, lowering some parts, raising others. Some parts could be raised as much as three feet.

7 FINANCIAL STATEMENT

No financial statement made.

8 ADJOURNMENT

A motion was made by Commissioner Hellauer to adjourn the August 8, 2018 Regular WPCA meeting at 8:01 pm.

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

Respectfully submitted,

Adam Cleri, WPCA Clerk

