

WATER POLLUTION CONTROL AUTHORITY
REGULAR MEETING
SEPTEMBER 14, 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 July 13, 2016.

The following Commissioners were present to constitute a quorum:

Commissioner Mike DeAngelis
Commissioner Stephen Morse
Commissioner Edwin Hellauer
Commissioner Joseph Frolich

Also in attendance were:

Thomas Sym, Sewer Administrator
Pete Pavone – Asst. Sewer Administrator
Edward 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

Alison Menendez, 18 Sportsman Drive

I am representing Sportsman Drive and Squire Lane, which is right off of Soundview Avenue. I am petitioning the committee to review all of the petitions that I have gathered; I have around 28 families all but 2. They would be interested to find out what it would take to hook up to city sewer. We are all on old septic systems, and we are right on the Means Brook and I am really nervous about it. It would be a liability if anything were to happen to our leeching fields, so I do have plenty of petitions here.

Tom Sym: Do you know where the systems are?

Alison Menendez: The backyards.

Tom Sym: How far away from the house can you estimate?

Alison Menendez: They are all legal, but I would say not far. From my deck to where the deck is from where they clean it is here.

Tom Sym: You have an elevation in the front, then maybe you have a walk out basement?

Alison Menendez: Yes.

Tom Sym: So it is down below that level. Some of these place might require pump up systems. Some of them are done through easements in the backyard; when they go through your backyard and put a gravity sewer line and could out to the back and connect to a gravity line that way, with no pump.

Alison Menendez: Is that something the committee can look into for us? Sportsman Drive is a cul-de-sac on both ends and the main road is Soundview Avenue. We are right across the entrance from Bronson Country Club.

Chairman DeAngelis: How many households are on the petitions?

Alison Menendez: I represent 28 neighbors.

Chairman DeAngelis: I only see 8 on here.

Alison Menendez: You have to look at all of the pages because they are different.

Chairman DeAngelis: The right way to do this is put everything one piece of paper. My personal advice to you and we will proceed, is to get all of these signatures on one sheet.

Tom Sym: Did you look up on how you can file petitions?

Alison Menendez: I talked to the Mayor and he said, "you are not hooked up to city sewers?" I said, "no" and I found out about the information on how it works.

Tom Sym: If you look it up online there is a procedure.

Alison Menendez: The problem that I was having, that I was going door to door and I could not reach anyone, so what I did was I sent that cover letter to every residence and placed one of those on every mailbox. I had asked them based on that letter, to return it to my mailbox. One neighbor passed it to another neighbor and that is why you see duplicates.

Chairman DeAngelis: If you can go through those and type your own list. We will get started for you. Bring the list to Tom Sym or Peter Pavone.

Commissioner Morse: Has anyone had any failed septic systems?

Alison Menendez: Not that I know of, but we live in a very quiet neighborhood and no one really socializes with one another but I really do not know that. Two people that did not sign had just redid their leeching fields.

Chairman DeAngelis: The problem is that once that line goes by their house, at some point they have to hook up on city sewer within time.

Tom Sym: They would be responsible for the assessment.

Chairman DeAngelis: There would be assessment attached to their deed and they decide to move, then it will have to get paid off when they move. That would be split amongst 28 people even if two people did not sign. By them not signing it is not helping; it is the majority.

Alison Menendez: One woman is good and would do anything that is good for the neighborhood, but the other woman did some very extensive work on her leeching field. She encased them in concrete vaults; she spent thousands of dollars on it.

Chairman DeAngelis: If you want to come in next meeting, maybe we might have something for you by next meeting. We would be more than happy if you or someone else would like to come during the public participation.

Tom Sym: I think we want to talk to see how far we want to look into this, and what the costs are going to be before we start asking any questions.

Chairman DeAngelis: So hold off on that, and you could to the next meeting for informational purposes.

(I will be petitioning the water authority for the city of Shelton on August 10th at 7 pM City Hall. This petition is for the pricing of running sewer lines to our homes on Squire and Sportsman Drive. This process if approved, would take several months perhaps even a year.

The ability to have city sewers will alleviate our worries of faulty leeching fields or repairing costly septic systems in the future. Two points brought up to my attention was the huge liability they pose if the fields do leak into the Means Brook. On a positive note being linked to city sewer would increase our property's value, and any payments would be spread out over 10 years making it a lot more affordable.

This is only for a quote. Please return your form to my mailbox before August 9th.

Thank you,
Alison Menendez, 18 Sportsman Drive)

(A copy of a written petition)

3. APPROVAL OF MINUTES OF REGULAR MEETING OF JULY 13, 2016

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

Regular Meeting of July 13, 2016

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

Add-ons:

A motion was made by Commissioner Morse to add on the following items to the September 14, 2016 WPCA meeting agenda:

- *5C: Soundview Crossing*
- *6-A-3: National Water Main Cleaning Company*

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

4. COMMUNICATIONS

A. ASSISTANT TO WPCA REPORT

Pete Pavone: Looking at the FOG Report in July, we have 21 visits that we are scheduled for. In July, we wound up doing 28 inspections; 25 pass and 3 failures and there was a 1% failure rate. In August, there were 9 inspections that were due and we did all of them. There was one failure in August; Bruegger's Bagels- the motor malfunctioned. We continued with the outdoor traps being pumped at the frequency indicated on the last line.

Our grease removal went up in July from June, from 490 to 430 pounds. We came back down in August to 370 pounds of grease that was removed. I think keeping the pumping frequencies up 2 times per year, on the Lower Route 8 corridor, on Bridgeport Avenue, is helping us out a lot to keep the levels where they are.

We had some new restaurants open up in town, and some closed; it is a constant stream. The newest one that opened was Catamount, which was 1000 Bridgeport Avenue. That building has now a 90% occupancy, so Vazzy's went in and opened up an operation over there. Also, Kim's Light Foods has just opened in Huntington Center and we are working with her right now to establish, in regard to what we do with her with her FOG discharge permit. She does not generate a lot of grease; her classification changed from a

Class 2 to a Class 4. Classes 3 and 4 require a grease trap, but we are going to work with her to determine what to do from here.

B. SUPERINTENDENT'S REPORT

The average daily flow was 1.8 MGD; the peak flow for the month of August was 2.0 MGD.

Our effluent total nitrogen was 79 pounds per day. The limit was 106 pounds per day. We pumped out 274,000 gallons of sludge to Hartford.

We now have had 63 months free from any accidents.

Our safety/training: Lock out/ Tag out safety.

Our chemical consumables were approximately the same, with the addition of 3,500 gallons of sodium hypochlorite for disinfection.

The grease removal for Upper Route 8 was 90 pounds, Lower Route 8 was 70 pounds, River Road was 80 pounds, Ladas Place was 120 pounds and Meadowlark was 70 pounds, for the month of July. The grease removal for Upper Route 8 was 70 pounds, Lower Route 8 was 80 pounds, River Road was 90 pounds, Ladas Place was 70 pounds and Meadowlark was 70 pounds, for the month of August.

Comparing July 2015, the total was 410 pounds, and in July 2016, the total amount of grease was 430 pounds. The total from August 2016 was 70 pounds, and August 2015 was 410 pounds.

We have had 0 complaints this month, making it a total of 48 months free of noise complaints.

We have had 0 odor complaints, which brings us to 39 months of no state odor complaints.

The daily maintenance was basically the same. The corrective maintenance included replacing core in turbo blower #3, installed pump at Beard Saw Mill station, R&R pump at Lada's Place, calibrated all field monitoring equipment, installed new Cl2 control system, and repaired coolant sensor at River Road station generator.

The future work includes potable water line replacement, SCADA upgrade (ongoing), rebuilding motive pumps 2, rebuilding #1 & #2 pump at Bridgeport Avenue station, and awaiting report on turbo core status.

Overtime Management for the same was the approximately the same as usual.

Commissioner Morse: On the pump removal history, we are coming at the end of our slope and I do not think we could get much better than that.

C. BUDGET WORKSHEET

Commissioner Morse: We just received the budget worksheet and I have not had a chance to break it down yet. This is the first one of the new year. We will take a look at it for next month.

5. OLD BUSINESS

A. NITROGEN CREDIT

Tom Sym: I wanted to put it on the agenda so we could make a motion to Mr. Hiller, Finance Director, to have the nitrogen credit deposited into the Capital Sinking Fund. First it gets deposited into the line item in the budget so they have a place to put it. Then, it goes back into our Sinking Fund.

Commissioner Hellauer: As long as you get it deposited then you could move it to wherever you want it to be.

A motion was made by Commissioner Hellauer to deposit the Nitrogen Credit (\$33,176) into the Capital Sinking Fund.

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

B. FUSS & O'NEILL STATUS REPORT

1. WPCP AERATION PROGRESS DRAWINGS

Matt Jermine: I had some people work on the aeration improvement project; the fine bubble diffusers. I brought some of the drawings to give us a little update on the project. (While looking at the drawings) This is basically just a representation of how we are going to have rows and rows of diffuser and a grid pattern for each of the SBR tanks. In the existing blower building we have two new turbo blowers over here. We are going to take out two of the remaining positive displacement blowers, and put in three new turbo blowers in there. We are going to do some modifications to the existing scum pits to put a new scum removal system.

The first phase of the project we took out one PD blower and put in two turbo blowers. We left the two remaining blowers over there; they were overheated and use them as a back up because we did not want to pay to take them out at the time. Now that we are moving to the next phase and putting in more turbo blowers, we are going to take out the noisy stuff that never worked right. Then, you will just have a line of turbo blowers. They will be dedicated to tanks 1 & 2; two will be dedicated to tanks three and four, then we will have the fifth one in the middle that is a swing flower which could go on the other side depending on what the needs of the plant are for back up. When the blowers went down, you would be able to take that swing blower or open up a valve so a certain pressure zone has the back up so you will be able to get that fixed.

Commissioner Hellauer: How much are these turbo blowers?

Matt Jermine: \$100,000 each; they are expensive. This diagram just shows the new turbo blowers that are to stay. Here are the old blowers that are going to get demolished; they were sharing an 8 or 10-inch intake pipe that is going to be taken out, so we will remove the restriction and the blowers themselves with those discharge silencers that were too small.

Tom Sym: We are getting more than one turbo blower dedicated to the tank?

Matt Jermine: Two blowers per tank. You will have two tanks aerating at the same time at different parts in the sequence, so when you aerate a tank you want to be able to send the air from two blowers from one tank. That was one of the deficiencies from the plant upgrade. They did not calculate enough oxygen getting added to the tank, so you need oxygen from two turbo blowers blowing into the tank to handle your design capacity. The aeration system now cannot handle the amount of air that these things put out; that is why you upgrade to the fine bubble diffusion so you have it matched properly. The second part is that you have the two turbo blowers that are going to feed into one aeration grid so you can handle your BOD loading. Right now we are 30% low on your nutrient loading capacity, and you already hit your limit at 2 MGD. If you are at your limit now, to double that you basically double the air. That is why we are going to try to do two blowers to a single tank so we have everything all matched and designed right. The existing blowers are sized for that so the new blowers would match the same sizes that are in now.

2. WPCA CASH FLOW SUMMARY TABLES

Chairman DeAngelis: On the cash flow worksheet, are you saying that \$2 million is the estimated construction cost?

Matt Jermine: The estimated project cost, that is what we had submitted to the Mayor and what we have been talking about, and what we have been planning for the last couple of months.

Chairman DeAngelis: Matt, what was the payback on this project?

Matt Jermine: I want to say 5 to 7 years. I do not remember off the top of my head.

Tom Sym: Has the Mayor seen this cash flow spreadsheet?

Matt Jermine: Not what you have this month, no. He saw that front and back color graphic that listed the four different projects in for referendum, and we put a price together for it. The Mayor said that is too much.

Tom Sym: So as far as this cash flow, the Mayor never saw it?

Matt Jermine: No he did not see it. He did not disagree with the final project cost, so I think he just wanted to see month by month how that fits into the City. While I did that, I put one together for River Road.

Chairman DeAngelis: What are we doing to go back to him talk about the blowers? This was the only project that we were going to ask for now. What is your schedule for bidding?

Matt Jermine: I would like to bid this over the winter because there is going to be a lot of lead time for the equipment. They are not going to be able to do much in the spring anyway.

Chairman DeAngelis: Since it is being funded by him, the first thing is getting approval and you getting started on design drawings. What is your timeframe for that?

Matt Jermine: We have already started on the design drawings on it. The timeframe to get them for the Mayor's approval, we should have another sit down meeting with him.

Peter Pavone: You are aware that on the ballot in the fall, there will be a referendum question regarding highway improvements; that was given and I was made aware of that.

Chairman DeAngelis: We are not dealing with referendum on this. He said we would fund this internally without going to referendum.

Commissioner Morse: We have been running 2 to 1.9 MGD. My guess is that we are going to get more rain overtime and more connections, and that flow is going to go up. What is the impact to this proposal, if it increases by 20%?

Matt Jermine: Your plant is hitting the ceiling right now of the additional sewer connections to the plant. If the Mayor has plans for large economic development in the city, then he is going to get those areas connected as our flow apportionment schedule allows. He is going to do that and the plant treatment ability is going to go in the toilet, and you are not going to get those beautiful nitrogen numbers again. The capacity cannot keep with the treatment anymore, so that is what all of the additional air breaks down the additional nutrient loading that is to come. Your plant is running at a max right now with a nutrient loading coming in, even though it is running around 50% for the hydraulic capacity so we need to match that again with adding more air.

Commissioner Morse: I think we should discuss this with the Mayor so he knows we are at the capacity now, and by doing this we have another 30%.

Chairman DeAngelis: Steve, he is really not questioning it. We had explained it to him at that meeting and he was surprised and pretty open to it. I am afraid that it took too long.

Tom Sym: The sooner is better that we go and talk to him.

Chairman DeAngelis: Do you want to try to schedule something for next week, first thing in the morning?

Tom Sym: Yes and Matt too.

3. FY 16-17 ON-CALL SCOPE OF SERVICES

Matt Jermine: The scope of services is attached. These are the same numbers that I had presented to at the last couple of meetings. So we could formalize and make a motion on it, and have Mike to sign it. We have the letters for each task so we could correlate that with our billing. Some of these tasks we could break out on a separate invoice if the Mayor agrees to pick up the engineering portion of some of this work.

Chairman DeAngelis: At that meeting, didn't he say that we needed to pick up the engineering cost at the start of the project? Getting them to start the design?

Tom Sym: I think that is what we had agreed upon.

Chairman DeAngelis: Then you are just going to leave that portion in here?

Matt Jermine: I could do that.

Chairman DeAngelis: I am pretty sure that we had agreed upon that we would pick up on the design cost.

Matt Jermine: The last page is almost identical to the previous one; the shaded areas were the ones that I was going to break out as more as a city invoice. I will switch that back to the WPCA; it does not change the order or anything like that.

Chairman DeAngelis: The grey area is the fine diffuser project.

Matt Jermine: The grey area are the tasks that I feel a portion that the city would pick up, yes.

Chairman DeAngelis: You probably should put that down as a subcategory. Leave the total as \$308,300 but have the subcategory 1 and 2.

Matt Jermine: It will be a completely separate invoice. Do you want to leave the grey areas as what the City is paying for? Or do we want to switch them back to the WPCA paying for it?

Chairman DeAngelis: No the City is paying for those items. We agreed when we would get started was to pay Fuss & O'Neill through the WPCA for starting the design. We think he is going to pay for the end of the design. We will find that out at the meeting. Don't change this sheet until we meet with the Mayor. I wouldn't worry about approval right now, Matt, until we decide on how we are going to separate this.

Matt Jermine: I haven't been able to invoice you because I don't have the approval.

Chairman DeAngelis: Maybe it is a good idea to go through items A, B and K-R. We can approve those items. Where is the design for the fine air diffusers? That is Item C.

Matt Jermine: Don't pick Item C: SBR Fine Bubble Diffusers Design, pick Item D: Additional Turbo Blowers just because it is a smaller number.

Chairman DeAngelis: I thought we approved \$20,000 for the first part? Where is \$20,000 on this sheet?

Matt Jermine: I do not think I have a task on this sheet for \$20,000.

Chairman DeAngelis: In theory, I would like to approve the total of \$308,300, but give me the final with Matt next week when we are going to adjust this thing and it is still going to show as \$308,300.

Tom Sym: Right now you have \$196,700 for the treatment plant operations.

Commissioner Morse: You can take Item A: WPCA Regular Monthly Meetings, and Item B: Operations Support because we will pay that out of our operating budget.

Chairman DeAngelis: Items C-J are the fine air bubblers and scum removal, but my point to Matt is that we gave him approval of \$20,000 to start the design so now we have to figure out how to take \$20,000 out of one of these numbers, or separate the \$20,000 out of the \$38,000.

Matt Jermine: You can approve Item C: SBR Fine Bubble Air Diffuser Design, for an amount of \$20,000.

Chairman DeAngelis: I am going to recommend that we approve the \$308,300, and Matt and I could talk about how we adjust the numbers. Does everyone agree in theory with \$308,300? That number is going to stay as \$308,300, but part of it is going to be downstairs and part of it will be up here. We just need to figure out how to separate the two. We are still spending \$308,300 no matter what. Part of the problem with that is if the City is paying for part of it, then it really comes out of here. Then it goes downstairs and we then do not necessarily see that number.

Matt Jermine: Right now the way that we are set up contractually is we the on-call with the WPCA, so we would send all of the invoices to the attention to WPCA.

Tom Sym: It gets approved by us before it goes down to them.

Chairman DeAngelis: That is true, so lets approve \$308,300 and Matt and I will go through and figure out with Tom on how this gets adjusted.

Commissioner Morse: I would say conditionally approve \$308,300, and approve Items A & B right now.

Chairman DeAngelis: Now because you are approving \$308,300; you are approving the whole thing. Just approve \$308,300, and that will get you Items A & B.

Matt Jermin: We do not do lump sum; it is all time and material.

A motion was made by Commissioner Morse to approve the FY 2016-17 Fuss & O'Neill budget of \$308,300.

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

4. RIVER ROAD EVALUATION

Matt Jermin: (While looking at map) this is the map of the underground utilities on River Road. The blue is water, red is gas, green is sewer and orange is storm drains.

This map is the aerial photo and it shows the different utilities. What we do is try to plot how we would put borings and probes over there.

5C. SOUNDVIEW CROSSING

A presentation was made by Mark Darby, Soundview Crossing

Tom Sym: Attorney Sous reviewed all of the documents and I. This easement allows for Soundview Crossing. We can use the easement that is being provided by Summerfield. The sewer that he is going to put in, but it is going to be a private sewer line; it is not going to be a city sewer line so the city is not going to maintain it.

Mark Darby: At one point the previous meeting when Mr. & Mrs. Blakeman were here, they had issue with some of the easement. From the existing manhole up to their property, according to the easement, when Summerfield installed a sanitary sewer it stopped at the manhole and it is up to the discrepancy of who can verify it because there is no as-built that was done for Summerfield. Tom Sym happened to be available at the time that Summerfield did this. I am speaking for him, but he said that he saw this manhole go in and Summerfield installed it. The pink line is where Blakeman took it up to his location, and the original plan we had our first manhole that was dog-housing over the top of Blakeman's line. Blakeman was not happy about that so now we pulled back and we are generating our own line all of the first to the existing manhole. So this clears up any type of discrepancy on our part that we are not touching his line at all. It also clears us up with Summerfield. Like Attorney Sous indicates that the grantor provided the point of connection should not be more than 50 feet from the grantee's property. The grantor being Summerfield, the pink line to the property line is exactly 50 feet. So

Blakeman claims that he owns this line and he could claim it because we are not touching it.

Tom Sym: Like I said, this is a private line. I can review it; the City Engineer has reviewed it. How would you like to handle this? He has the application filled out.

Mark Darby: Just to give you an update, we were P&Z last night and they have tabled this until next week depending on what your take is on this meeting tonight. They have two special meetings on the next two Wednesdays, and we would like to go on one of the special meetings.

Tom Sym: So you are looking for a decision prior to the next P&Z meeting, which might be next week.

Commissioner Morse: The question is could we approve the attachment of Soundview Crossing pending Matt's analysis?

Chairman DeAngelis: Matt is not doing an analysis. He is putting the information on our database.

Matt Jermine: I would approve it based on Tom's recommendations.

A motion was made by Commissioner Chuckta to approve the project, Soundview Crossing, LLC.

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

6. NEW BUSINESS

A. BILLS RENDERED

1. NATIONAL WATER MAIN CLEANING COMPANY \$22,478.84

A motion was made by Commissioner Morse to pay Fuss & O'Neill \$22,478.84.

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

2. FUSS & O'NEILL \$

No payment for September- will appear on the October agenda.

3. NATIONAL WATER MAIN CLEANING COMPANY
\$155,857.20

A motion was made by Commissioner Hellauer to pay National Water Main Cleaning Company \$155,857.20.

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

B. APPLICATIONS FOR CONNECTION

1. BROOKVIEW APARTMENTS –

Presentation of Brookview Apartments made by Jim Swift

Jim Swift: A project is for a Planned Development District site that is located off of Old Bridgeport Avenue. This is an old, leftover site from when the Blakeman's did the Millbrook Condominiums. Right now it is a business district, I believe and it has been previously disturbed. A pond was built on it by the Millbrook project, and we are applying for a Planned Development District for this corner for apartments. All of the apartments are single bedroom; there is 37 that are planned located in a 3.5, 4 story building in that location.

The existing sewer main is out on Old Bridgeport Avenue; it was privately owned line that was coming down from the Millbrook Condominiums and our project would connect via a private lateral directly to the building. There is no proposed extension of any city main like that. We would like to submit it for the commission's approval.

Right now the area is considered an RBD, rural business district. That was the new district that was made for the car dealerships. So it is hard to compare how the flows might be on the project, for the existing zoning.

A motion was made by Commissioner Hellauer to accept the application pending approval from Planning and Zoning.

Seconded by Commissioner Chuckta and one opposition from Chairman DeAngelis. A voice vote was taken and motion passed.

C. SEWER ADMINISTRATOR'S REPORT

Tom Sym: We did the lining for 4,000 feet and had one issue with the line on High Street.

We also have a small line on Long Hill Avenue; we put the liner in across underneath Route 8, coming from Wakelee Avenue Extension near Charles Street. There is a short run of about 70 feet from a manhole on Long Hill Avenue that comes from another line that comes out from Route 8. They did not have the proper size pipe to that one either, so they have to come back to do those couple of lines. There has been activities of construction going on Bridgeport Avenue; Big Y is connected to the sewer and they are

trying to get in there by November. For the second building they are building a sewer for that.

8. ADJOURNMENT

A motion was made by Commissioner Hellauer to adjourn the September 14, 2016 Regular WPCA meeting at 8:36 P.M.

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

Respectfully submitted,

Brittany Gannon

Brittany Gannon, WPCA Clerk

