

September 10, 2018

A regular meeting of the Board of Sewer & Water Commissioners was held on Monday, September 10, 2018 at 7:00 p.m. at the Edward J. Delaney Water Treatment Plant, 1303 Washington St.

Present: John Spillane, Patrick Fasanello, Glenn Maffei, William Abbott and John Hasenjaeger. Also, Rick Mattson, Supt. of Sewer and Water.

All abatements submitted tonight are reviewed and signed.

Motion Made by Glenn Maffei to accept the minutes of August 3, 2018 with recommended amendment. Second by John Spillane. Vote 5-0-0.

Motion Made by Glenn Maffei to accept the minutes of August 27, 2018. Second by John Spillane. Vote 5-0-0.

SUPERINTENDENT'S STATUS REPORT

Mr. Mattson reports that the August average demand was 2.87 mgd which is down from the average in June and July which was 3.01 mgd. The first few days of September which were very hot was an average of 3.25 mgd. He's thinking this cool rainy weather will lower the demand. Hydrant flushing will start tomorrow night and will start this treatment plant and go to East Walpole, to South Walpole, then to West Walpole and if allowed to North Walpole. The goal is to complete all in November. The water main project will start Wednesday and will go through the construction season of mid-November. Mr. Mattson then reports that he and Mr. Abbott appeared before the FinCom and both articles we put on the FATM were approved. Mr. Fasanello asks if the Town of Sharon will help with the paving on Old Post Rd. Mr. Mattson responds that he did find out that Sharon owns the water line that was previously discussed and he asked if they would take on the 3 accounts in the area that are in Sharon with Walpole water but has not heard back. Mr. Fasanello feels they should pay for a piece of the paving as it is in Sharon and Mr. Mattson says we cannot dictate what they repair. Mr. Fasanello wants Mr. Mattson to find out. Mr. Mattson then speaks on the inclining block rates. He says car washes are paying about \$350 more per billing, Siemens about an additional \$4250 per month and one residential high water user is seeing a \$350 increase. He believes we are achieving the goal of the more you use the more you pay.

JARVIS FARM USE APPLICATION

Mr. Fasanello says it is not on the new form which has the Sewer & Water Commission heading. Also the new form would answer the question what makes Jarvis so special to put the water resource area at risk which he would like to know. Mr. Maffei feels the Town Administrator wanted to make good use of the property so people feel they are getting their money's worth. Mr. Fasanello says this is a bogus excuse they should have to investigate other areas. Mr. Hasenjaeger expresses concern over the trucks and vehicles that are supposed to be there. Mr. Mattson feels there is no reason to muddy the waters over a benign operation that is good for the community; it is called "Jarvis Harvest". Mr. Hasenjaeger says if it was on the right form he would know what they mean by "big trucks". He agrees with Mr. Fasanello that it should be on the right form. There is then discussion on the insurance and Mr. Hasenjaeger says by signing the form the Recreation Director is indemnifying the Town which makes him personally liable. It is explained that the Recreation Director is part of the town and protected. **Motion Made** by Glenn Maffei to approve the application for the use of Jarvis Farm for the Annual Jarvis Harvest as requested. Second by John Spillane. Mr. Hasenjaeger would like to add an amendment to the motion to state that the release for liability indemnity and hold harmless agreement should be amended to properly cite that the Town of Walpole is indemnified. Mr. Fasanello would like to add another amendment to Mr. Hasenjaeger's amendment to add that the Sewer & Water Commission is also indemnified. Mr. Maffei agrees to the two amendments to be included in his motion. Vote on the motion 3-2, Spillane and Fasanello against.

ROJO CAR WASH CONTINUED

Mr. Mattson expresses concern over the proposed water usage and it should be confirmed. He has a hard time they will only use 250 gpd as stated. There needs to be some sort of documentation confirming this. Mr. Maffei refers to the Town Engineer's comments requiring a peer review for sewage flow and potential odor issues and for the pump station. He asks if this would be one peer review for both and Mr. Mattson says yes, and it should be required. **Motion Made** by William Abbott to concur with the comments of the Town Engineer, most specifically requiring peer review for sewage flow, potential odor issues and the need for a pump station. Additionally the 250 gallons per day proposed usage is questionable and written confirmation needs to be provided to this Board. Until this is submitted and reviewed this Commission would like to reserve the right to provide additional comments. Second by John Hasenjaeger. Vote 5-0-0.

CONCOM COMMENT REQUEST 443 NORTH ST., NOI

Mr. Mattson says both he and the Town Engineer are concerned on the length of the sewer lateral and have suggested a smaller service as the larger pipe would be subject to blockage because it is so flat and there is only one house. He feels a pump line is probably the best way to go. Mr. Fasanello says he does not like these pumps and Mr. Mattson responds that he is not a big fan either but it is the best way to go. Mr. Maffei asks what the downside of the pump is and Mr. Mattson says mostly mechanical problems. Mr. Fasanello feels it would be the homeowner's problem. Mr. Hasenjaeger wonders why they are not taking the sewer the other way as Hancock Court is right there. It is decided since it will not be our problem it will be considered read and noted.

7:10 WATER VIOLATION HEARING, 48 MILLBROOK AVE. COOLBRITH

No one showed for this appointment, the Board agrees to bill the homeowner as ticketed.

7:15 BRIAN CAMPBELL, 24 MACDONALD CIR. APPEAL OF POLICY & FEES – POOL FILLS

No one shows for this appointment

7:30 WRIGHT PIERCE – WATER STUDY UPDATES

Christine Catalini and Richard Protasowicki are present from Wright Pierce. Ms. Catalini says earlier this year they piloted AOP which is an advanced oxidation process using ultra violet light and hydrogen peroxide, followed by granulated activated carbon. The purpose was to remove the 1,4 dioxane at Washington 6 and they piloted at the well site and also the Delaney Water Treatment Plant. The pilot was a success, they had an average for 1,4 dioxane a concentration of .11 micrograms per liter (mpl) and was able to reduce it to non-detectable which means the lab cannot find anything below .01 mpl. They recommend implementation which has options. They could implement at the well site or at the treatment plant. The cost would range approximately between \$2.5 million and \$4.7 million. Mr. Abbott says this is a large range. Ms. Catalini responds that if it is implemented at the well site that is a flow rate of 1mgd as it is just one source. If implemented at the treatment plant you have 10 water sources so the flow rate would be 4 mg and the UV, hydrogen peroxide and GAC would cost more. Mr. Hasenjaeger talks about the Washington 6 well site and says he would be concerned of the well sites up gradient of Washington 6. It is determined they would be wells 6, 5 and 3. He asks if an option could be done for the 3 wells and Ms. Catalina says there is that option, they could do anything between. Mr. Hasenjaeger confirms it was only found in Well 6 and for safety purposes this might be the right way to implement economically. Mr. Protasowicki says it would be a good option and would be an in between cost. He adds that the reason they piloted the treatment plant is because there is a lot of iron and manganese in our wells and the UV basically uses a sleeve to project a light through the sleeve to the water. They were trying to take away the iron and manganese as it may have an effect on the pilot. He says there was no benefit at the treatment plant so the 3 wells make sense. Mr. Mattson says the ball is now in the Board's court. We need to decide whether we want to move forward with the project and if so in what time frame and then put the package together. Mr. Abbott adds that we should also let Town Counsel know with regard to the responsible party and find out if this is the right time to get them involved. Mr. Maffei feels we should definitely move forward quickly and pursue the funding whether or not it is from the responsible party. Timeframes and the responsible party are discussed. Mr. Abbott says it is time to get our lawyer involved as

there are procedures to follow and he believes the consensus of the Board is to move forward quickly. **Motion Made** by Patrick Fasanello to get our lawyers involved and to move forward quickly. Second by William Abbott. Mr. Hasenjaeger asks Mr. Protasowicki if they have ever handled any other cases like this and the answer is that they are actually working right now with another town with a similar situation. He then asks if they have ever been involved with a case with mitigation and the answer is not directly. Vote on the motion 5-0-0.

Ms. Catalini says she would like to bring up the projections and the examining of the Water Management Act (WMA) and the new SWIMMI guidelines which essentially say the Town has a baseline now. The original permit was 3.34 mgd, DEP says the baseline is now 2.53 mgd. She came in to help Mr. Mattson look at this amount using the DCR method, the algorithm and an excel spreadsheet. She says she looked at past history and made her projections up to 2035. There is discussion and Ms. Catalini feels we will surpass our baseline of 2.53 mgd within a year. She says she worked with Mr. Mattson and Economic Development with regard to all the new businesses, new commercial and residences that are anticipated to be implemented in the next few years. This is additional water use and was projected and again surpassing the baseline. Ms. Catalini talked to DEP asking for an update where Walpole stands with their permit. Walpole is in the Boston Harbor basin and she was told next year we will be renewing the new permit. Mr. Mattson asks if we have gotten updated projections from the DCR. Ms. Catalini responds that they take 3 pieces of criteria; the use of 2005 at 5% which is ours, the registered amount which is 2.25, and the average between 2003 and 2005. They then take the largest quantity which is 2.53. Mr. Protasowicki says this criteria has not changed. Mr. Abbott asks if the Board could go to DEP and tell them our numbers or is DEP just going to use their own numbers anyway. Ms. Catalini says there is a time for consultation where the Board will work with DEP but there will also be those people from the basin who will argue against you and say it is a cold water fishery resource area and groundwater depletion is too high here. Based upon SWIMMI guidelines DEP will work with the Board on minimization and mitigation, so if you are above the permit number they want to see you take that water and bring it back. Mr. Abbott says it's the summer usage that is driving our numbers up. Mr. Mattson says in terms of net groundwater depletion we have an issue. There is discussion on crossing the baseline. Ms. Catalini says we do have a basis to go against DEP's numbers and they are trying to help us out. Mr. Hasenjaeger asks who was spoken to on Economic Development and the answer is the Planner Tim Higgins. Mr. Hasenjaeger is concerned about the criteria and the use of historical data instead of statistically and accurately showing the growth curve of what is happening in Walpole. Mr. Hasenjaeger says when you say add to the water it doesn't come from the basin; do we capture more rainwater, have reservoirs that don't come from the basin. Is that a source? Mr. Mattson replies that it could be as simple as keep the water in the basin through inflow and infiltration remediation; it's all as well as storm water management which is another component of mitigation sources. Mr. Hasenjaeger asks about hooking up to MWRA and then having our own margin of error for economic development. Mr. Mattson says this is another form of mitigation. Mr. Protasowicki says even if you got water from the MWRA you would still be held to the same standards. Mr. Hasenjaeger says that doesn't make sense, if we find water outside the basin, the DEP won't cooperate anyway and that is ridiculous. Mr. Maffei asks how often the permit is renewed and he is told it's good for 10 years. He then asks if the new number will be subject to inflation and the projections they came up with 10 years out or will it be a flat number. Ms. Catalini responds that she would like to say yes but she believes it will be a flat number. Mr. Maffei asks what if extensive steps have already been taken. There is discussion on this and it is determined that these steps will be considered but it is unknown to what degree. Mr. Hasenjaeger says, for the folks at home, it is the States attitude that the cold water fish get the water first and if there is any left over the people can have it. Mr. Mattson says Wright Pierce is our water quality consultants and we will soon work with them on some treatment modifications to assist with some quality issues that may be as a result of a combination of our old unlined cast iron pipes. So we need to look at optimizing water quality issues and right now they are looking at total organic carbon that is generated at the sources at Mine Brook. A few years back we switched from free chlorine to chloramines. They think this may be part of the problem so the purpose of this upcoming investigation would be to go back to free chlorine. Mr. Fasanello asks Mr. Mattson if he is doing some experiments because every so often he can taste chlorine. He responds, they are not doing any experiments but he does get a call or 2 every so often for a short period of time. He believes it probably has something to do with the cycle of the tanks. Mr. Mattson says he would like to investigate the potential change of disinfection

technique back to free chlorine. Discussion is held regarding trihalomethanes and how the chloramine has reduced the trihalomethanes by 50% but it comes with unintended consequences. He hopes the upcoming investigation with free chlorine will help. Mr. Fasanello asks about ice pigging and Mr. Mattson responds that it was promising but not what he had hoped for. The unlined cast iron pipes are giving us all kinds of problems and he feels the best approach is to look at the treatment. Mr. Abbott mentions the approval for sodium silicate and Mr. Mattson says he would rather look at changing to free chlorine. It is asked when this investigation would start and Mr. Mattson says as soon as the Board authorizes it. Mr. Abbott asks if we have the funding and the answer is yes. Mr. Hasenjaeger asks for a figure and Mr. Mattson says it is \$37,600 as it involves outside vendors. **Motion Made** by Glenn Maffei to authorize Wright Pierce to perform the additional work in an attempt to look at our water quality issues. Second by William Abbott. Vote 5-0-0.

CONCOM COMMENT REQUEST, 290 SUMMER ST. NOI

Mr. Mattson says this is between Winter St. and Comstock and there is potential for another lot and is showing two connections that have a very shallow depth. Mr. Fasanello says this is a problem for them and Mr. Mattson agrees. **Motion Made** by Glenn Maffei to concur with the comments of the Town Engineer. Second by William Abbott. Vote 5-0-0.

7:10 WATER VIOLATION HEARING, 48 MILLBROOK AVE., COOLBRITH

Mr. Coolbrith did not appear for this appointment which was the second time it was scheduled. **Motion Made** by John Spillane to bill the homeowner for all tickets issued. Second by William Abbott. Mr. Maffei wonders if Mr. Coolbrith made a mistake and he is told that he has violated the policy 5 times and was left the policy with each violation. Vote on the motion 5-0-0.

7:15 BRIAN CAMPBELL, 24 MACDONALD CIR. APEAL OF POOL FEES AND POLICY

Mr. Campbell did not appear for this appointment and no action was taken.

There is discussion on holding a public hearing for water and sewer connection entrance fees. **Motion Made** by Patrick Fasanello to hold a public hearing to discuss possible amendments to the water and sewer connection entrance fees. Second by John Hasenjaeger. Vote 5-0-0.

Motion Made by John Spillane to adjourn. Second by Glenn Maffei. Vote 5-0-0. Meeting adjourned at 8:20 p.m.

Accepted October 1, 2018