



TOWN OF CHARLTON
Minutes of October 21, 2019
Water/Sewer Commission

Submitted by _____

Date _____

Received by _____

Date _____

Present: Dave Cantwell, Robert Lemansky, Paul Gagner, Russ Jennings, Jenn Vaughan, Peter Boria, Sue Guerin
Absent:

I. Call to Order

Mr. Lemansky called the meeting to order at 6:33pm

II. Commissioner's Public Forum

III. Consent Agenda/Warrant/Abatements Approvals as Needed

Mr. Jennings motioned to approve the minutes from October 7, 2019 as printed. Seconded by Mr. Cantwell. Motion passes unanimously.

Mr. Jennings motioned to approve the warrants in the amount of \$18,033.89. Seconded by Ms. Vaughan. Mr. Lemansky requested that Veolia invoices relating to emergency services, the location, date and time of the service call be listed. **Motion passes unanimously.**

Mr. Jennings motioned to approve the Senior Abatements in the amount of \$760.32. Seconded by Mr. Gagner. Motion passes unanimously

IV. Scheduled Appointments

6:40pm Zach Donahue of Veolia - Monthly Operating Report

Mr. Donahue reviewed the September MOR. There were no safety accidents or incidents, monthly safety checklist was completed. The safety training this month was on respiratory protection. In September we exceeded our effluent zinc daily limit.

The weekly and monthly maintenance check list was completed. The weekly generator full load exercise was completed; all generators serviced by Bigelow Electrical, critical alarms were tested. On September 10 EQ pump 3B failed and was replaced with a rebuilt pump we had on site. On September 18 the sludge holding tank #2 failed wiring was replaced by Lafleur Electric. Pump Stations: All pump station alarm tests and full load generator tests were completed. MTA's were sampled on September 2nd and 19th. On September 10th the failed soft start at Burlingame pump station was replaced by Lafleur. September 30th the transfer switch at the Vine St pump station was replaced by Lafleur.

There were 4 grinder pump calls and 4 dig safes for the month of September.

Additional remarks

As mentioned at the last meeting RBC's #1 and #2 are now covered (Breakdown of cost was included in the MOR) Total cost was \$62,795.31, with \$117K being approved, giving us a cost savings of \$54,204.69.

The report following the DEP inspection addressed 3 issues that needed corrective action.

- Inadequate secondary containment provided for the sodium hydroxide storage.
To address the safety concerns associated with the original sodium hydroxide (caustic) feed system, it was relocated to our chemical storage room and is now stored in a 275 gal tote. This system was set up until the town revisited the alkalinity/caustic system upgrade. The tote that we have, the containment that it is on is not large enough to fully contain the volume of the tote if a leak were to occur. This is something that can be addressed easily, for less than 1K we could get the containment that would hold the tote fully.
- Lack of secondary containment for the ferric chloride storage tank outside of the building.
The tank that we have outside is an insulated double walled tank which acts as the secondary containment. There is an alarm system that detects leaks. The outside tank is designed to hold 110% of

the volume of the inner tank. The DEP referenced literature stating that the requirement is that it has to be able to hold 125% of the volume, which is a recommendation not a requirement.

- The chemical storage and handling areas do not include an emergency shower. These locations were originally outfitted with emergency showers, but were removed. New shower components have been purchased and installed.

We have 30 days to reply to DEP's letter. Mr. Boria handed out a draft copy of the response letter for the commission to review. If there aren't any edits, the letter will be sent out tomorrow.

At the end of last year the effluent zinc concentration in the plant began to rise. At the end of October the winter permit goes into effect and several of our permit limits are less strict. Mr. Donahue feels this is the best time of year for trying our process changes because there is less risk of violations. Attached is a proposal for zinc removal trials, and he is seeking approval to proceed. He believes the town's best options for the removal of zinc is using a sulfide based chemical. Sturbridge uses and has proven this process works, and is a lot easier to deal with and hopes for the same success. Attached was a proposal for trial zinc removal. With the cost of \$716.50 for Polyaluminum Chloride (PAC), cost is similar to what we use now, and sampling costs of \$766.00. Total cost for a weeklong trial would cost \$1,482.50. After a week of pilot testing, the plant will return to normal operation, awaiting the results of the tests.

Mr. Jennings motion to approve \$1,482.50 for the trial. Seconded by Mr. Cantwell. Motion passes unanimously.

Surplus Material. Mr. Donahue informed the commission that EXCEL Recycling, who the town normally goes with, has delivered a roll off dumpster for the surplus material. Mr. Donahue would like to have the area cleaned up by snowfall.

Mr. Donahue stated that the representative from EXCEL said that with what he saw, the cost of the dumpster will be covered and then some by the scrap metal. Mr. Boria feels that this is the quickest most efficient way to take care of it. Mr. Lemansky feels we could make more money by advertising the items in packages.

New Business

Veolia - Infiltration & Inflow (I&I) proposed work.

We have a proposal from Paul Rodman to perform some annual I&I mitigation work that is required by MA DEP and our NPDES permit. Our contract with Veolia requires them to perform CCTV of 17,400 linear feet of sewer main per year. Mr. Boria spoke with Paul Rodman and asked if he could adjust linear footage but do more work.

With last year's flow monitoring study, they were able to detect I&I in 3 distinct areas, Carpenter Hill Rd being one of them. We have 44K carried in our budget for this work.

Mr. Rodman provided a proposal to complete pipe cleaning, CCTV inspection and smoke test of the following areas based on the work that was completed in 2018: Carpenter Hill Rd, Burlingame Rd and Main St for a total of 9,875 linear feet. The cost to perform the work listed and to prepare the annual I&I report to submit to the MA DEP is \$26,457.78, with a large amount of the cost going to police details. Mr. Boria presented the proposal for review and approval for this calendar year.

After reviewing the proposal Mr. Jennings questioned the smoke test and if we really want to invest time and money in to. Mr. Boria suggested maybe go with items 1 (pipe clean) and 3 (CCTV), get preliminary reports and move forward with smoke test if needed.

The contract obligation is just to do the camera work. What Veolia will complete is less footage but more work. Mr. Lemansky needs more information and feels that the breakdown is not clear. Mr. Boria will ask Mr. Rodman to attend our next meeting to discuss the breakdowns and answer questions.

McDonalds Renovation – 38 Worcester Rd - Sewer Privilege Fee.

McDonalds located at 38 Worcester Rd, is proposing a renovation of their building. They have said that no sewer infrastructure located outside of the building will be altered. There will be an additional 6 seats added to the inside of the building as part of the renovation. Mr. Boria asked Bohler Eng. who is

representing McDonalds, to provide MA DEP title 5 flow numbers based on the building current seating capacity and also provide flow numbers for the proposed additional seats. The 6 seats result in a title V flow increase of 120 gallons per day. Based on our policy, a prorated Privilege fee in the amount \$4,920.00 was calculated and the payment has been received. Mr. Lemansky has concerns about the carwash and their discharge processes. Mr. Boria will check on the plans in regards to the carwash.

Charlton Optical - Building Addition

Charlton Optical, located at 109 Masonic Home Rd, has completed an addition to their building. As part of this addition they tied in to Municipal Sewer. They were previously assessed a 1 EDU betterment as part of the Phase 2 sewer project.

Mr. Boria asked McClure Engineering, representing Charlton Optical, to provide MA DEP Title V flow numbers based on existing building size and proposed building size after the addition. You will see in the attached response that the addition increased the 1,161 square foot (s.f.) building by 516 s.f. In McClure's analysis it is stated that there will be no additional staff working in the building due to the addition which would not increase the daily flow under Title V. McClure has also provided actual water usage data that shows an average daily water use of 25 gallons per day (gpd).

Due to the information above Mr. Boria would recommend that there not be any additional sewer privilege fee charged to the property.

Phillips Property - Amendment to Purchase and Sale Agreement.

This was discussed in executive session 2 meetings ago.

Attorney Cosgrove recommended discussing the amended Purchase and Sale agreement in open session and attach it to our minutes. The purchase price will be \$125,000 for approx. 25 acres. To note that the Commission is aware that if they agree to this amended Purchase and Sale agreement that they will waive or deem all contingencies satisfied.

Performance review- Superintendent

It has been a year since Mr. Boria's performance review. Mr. Boria included in the package a TOC Dept. Head performance evaluation for the commission to work from. Mr. Boria asked for completed forms to be handed into Sue to compile results.

Possible Water Connections – Gould/Cemetery

We have been working with the Board of Health to create a list of possible homes affected by the water contamination on Gould and Cemetery Rd. The Board of Health mailed our letters last week to 13-14 homes relating to potential water connections. Once the responses come in, set up a follow up meeting with the neighborhood residents to address their questions and concerns. Mr. Jennings stated that he wants to make sure that the residents know that they will be billed for water usage.

V. Old Business

Propane Line – At the last meeting an estimate of 4k was discussed to pressure test the underground propane line. We received a new appraisal, someone that McClure Engineering recommended. The proposal came in at \$2,738, with prevailing wage for 2 days work. (copy of the proposal was handed out) **Mr. Jennings motion to approve \$2,738 to Advanced Heating and Plumbing as printed. Seconded by Mr. Gagner. Motion passes unanimously.**

Water Line Construction Update.

Berry Corner Rd. – Ludlow continues to make the residential plumbing connections. Palmer paving has been out to take some core samples of the base pavement and they have determined that there was not enough compaction which is causing the aggregate to come apart. Palmer is planning on replacing a portion of the roadway. (3-4 thousand feet) Gerry Foskett, Chris McClure and representatives from Tighe and Bond met with them last week they are going to replace portions that are really bad and are giving a 5 year warranty for cracks and potholes. They are also scheduled to begin final paving on November 4th.

School Loop – Albanese has finished installing the 2 culverts on Old Worcester Rd, and are currently working on the 2nd culvert. Laterals are being installed on Old Worcester Rd, and should have things done in the next couple of weeks. There is another crew installing waterlines at the Overlook.

Rt. 169 Pump Station – The pump station is complete and the generator is repaired. White Water and McClure Engineering are reviewing the O&M Materials for final approval. It has been operational for about 4 weeks.

Buffumville Public Water Supply – Mr. Boria is working with DEP to get the correct language for the Public Hearing that is required before we purchase the Phillips’ property. Mr. Boria is also working with BETA to create the Scope of Work for approval by the DEP for the Water Master Plan Grant, and hope to have for the next meeting. As far as the public hearing, the DEP can host in their office or we can host here, which Mr. Boria feels would be easier for the residents. Mr. Boria has to finish up the application to submit, they will send the correct language to advertise the public hearing with hopes to have it at one of the meetings in November.

VI. Next Meeting - November 4, 2019

Mr. Jennings made the motion to adjourn at 8:00 pm Seconded by Mr. Cantwell. Motion passes unanimously.

Submitted by:
Sue Guerin
Administrative Assistant

Accepted by:

Paul Gagner

Jenn H. Vaughan

David Cantwell

Rob Lemansky

Russ Jennings

Minutes were approved and signed on 11/4/19.