



TOWN OF SUNAPEE
WATER AND SEWER COMMISSION
P.O. BOX 347, SUNAPEE, NH 03782-0347
(603) 763-2115

Board of Commissioners Meeting
June 27, 2019
Sunapee Town Offices Meeting Room

PRESENT: Theodore Gallup-Chairman, Jimmy Williams, Richard Curtis, Anthony Bergeron, Douglas Gamsby.

Also present: Holly Leonard, David Bailey, Charles Smith, Michael Metcalf of Underwood Engineers, Mark Kondelis and Dan Grace.

The Chairman called the meeting to order at 5:32 p.m.

1. Public Comments: The Chairman questioned if either of the members of public would like to address the Commission prior to the regular business of the meeting being commenced. Charles Smith stated that he had received a flyer in the mail that indicated that Sunapee Water was no good and that he was in attendance to find out more about the issue. The Chairman stated that Dave B. had approached the well company in question after hearing that they sold a treatment option for removing disinfection by-products to see if this may be some sort of option that the Town could implement in order to remedy the TTHM issues. The Chairman said that unfortunately the mentioned flyer had been sent out to residents of Sunapee in hopes of the company making some bucks and he questioned if the representative from the well company would be attending. Dan Grace arrived and was questioned by the Chairman about the flyer that has caused elevated concern over the TTHM violations around town. Dan G. presented that he was not ambulance chasing and that it was a fact that chlorine is not good and that there are health effects from chlorine use and that he was just pointing out that residents should take responsibility for their own water coming from their tap and that taking the chlorine out of the mix is the only way to remedy the situation. Theodore G. questioned if the company tests the water each year to ensure that their system is working as designed and Jimmy W. asked what type of testing his company does and what lab analyzes their samples. Dan G. stated that they use Nelson Analytical and that his company does test after filters are installed to ensure that they are removing the contaminants that they were intended to treat. There was some discussion regarding the sand in the filter beds and that maybe it needs replenishing as there may be organics collecting there. Michael M. of Underwood Engineers interjected that the organics which are causing the problem are dissolved and are not the solids which are in the sand of the filter bed, he stated that adding activated carbon to the sand filters may help initially but that it would not be a long term solution as the GAC would have to be replaced often and this would be labor intensive and very expensive. Theodore G. questioned if it could perhaps be the introduction of soda ash that is somehow causing the problem. Michael M. stated that a higher pH will increase TTHM formation and that other chemicals may not have that same effect but that you need the higher pH to prevent corrosion which can elevate the possibility of lead and copper issues. There was much discussion regarding the home filter systems, the original problem with iron and red water and the ultraviolet system that the Commission had toured in Hillsboro as well as the use of chloramines instead of chlorine. Dave B. brought up that originally the department had been using straight

chlorine and that now it is being mixed with water and questioned if this could perhaps be starting the formation of the disinfection by-products right at that point. There was some discussion regarding Hillsboro and their new treatment system. Michael M. stated that the way EPA calculates in order to set a limit is to figure at what level one person in one million may develop cancer if they were to drink two liters of water with that contaminant per day for 70 years, and that before the addition of chlorine massive numbers of people were dying from water born diseases. There was much discussion regarding the higher chance of developing cancer from arsenic, uranium, radon and other contaminants found in water within this area of the state than from disinfection by-products. Michael M. stated that he has put together an ESR and described his proposal and the different possible solutions to the TTHM issue. There was some discussion regarding asset management and public education and ultra-violet disinfection. Dan G. departed at 6:22.

There was some discussion regarding task #4 and that the Commission had already had a presentation by a similar company and that it was too exorbitant a cost.

Anthony B. made a motion to enter into the Underwood Engineering contract for \$19,000 taking out the task #4 as this had already been looked into but leaving the money allocated to it in the contract for use with other items, seconded by Jimmy W., there was discussion regarding the iron issues and the possibility of including that into the study, voted unanimously in the affirmative, so declared by the Chairman.

2. Forms for Signing:

May 30, 2019 Meeting Minutes: Anthony B. made a motion to accept the minutes of May 30th as presented, seconded by Jimmy W., voted unanimously in favor, so declared by the Chairman.

May Sewer Purchase Journal: Jimmy W. made a motion to accept the May Sewer Purchase Journal, seconded by Anthony B., after some discussion regarding A/D Instruments, voted unanimously in favor, so declared by the Chairman.

May Water Purchase Journal: Douglas G. moved to accept the Water Department Purchase Journal for May 1st through May 31st, seconded by Jimmy W., after some discussion regarding Underwood Engineers and ArcGIS, voted unanimously in the affirmative, so declared by the Chairman.

1st Additional 2019 Billing Warrants: Holly L. gave the reasons for the additional billing warrants and what had prompted them. Anthony B. made a motion to accept the additional billing warrants, seconded by Jimmy W., voted unanimously in favor, so declared by the Chairman.

3. Water Treatment Highlights:

Dave B. reported that the filters are all cleaned and the last filter is filled and ready for the July 4th week, he stated that there had been a communication error early this morning between River Rd and Harbor Hill and that he has A/D Instruments coming to look into it. Dave B. reported that the tanks had been cleaned and that the concrete tank is empty and will be cleaned by department personnel as soon as possible, he also is thinking of maybe finding a way to reconfigure the piping to create some splash to possibly help deter the formation of TTHMs.

4. Wastewater Treatment Highlights: Dave B. stated that the plant has been running well and that he has set up the steel tank that was at the Transfer Station at the Treatment Plant and has received a price of \$1,000 per truck load of vinegar from Noonan and that he will

see what Stearns will charge to truck it. In the meantime he is still getting it from Noonan in Rochester which takes 2 people quite a while to do. There was some discussion regarding how much vinegar may be needed and the cost for having it trucked directly to the Treatment Plant.

5. Acceptance of the Hill Lake Avenue Sewer Extension: Dave B. stated that they had video taped the sewer line installed by Hills and found it to be pretty flat and possibly in need of jetting as this probably hasn't ever been done. He stated that the map shows 7 services but that he had only found 4 tees. There was some discussion regarding this being the homeowner's issue and not the Town's. Anthony B. made a motion to accept taking over of the Hill Lake Avenue Sewer Extension, seconded by Richard C., voted unanimously in the affirmative, so declared by the Chairman.
6. Old & New Business: Water Capital Reserve Fund: The Chairman read the proposed motion "to resolve to establish a water capital reserve fund in accordance with RSA 38:29 III in the amount of \$50,000 for the purpose of accumulating money from surplus water rentals to finance the cost of capital improvements. The type of capital improvement to be financed from the Fund is the construction, expansion, replacement, repair, betterment or improvement, including any preliminary studies and surveys relative thereto of water lines or facilities, such funds to be placed in the custody of the trustees of the trust funds pursuant to RSA 35:7, and authorizing the withdrawal for that purpose, of \$50,000 from surplus water rental funds being held in the water department general fund checking account." Anthony B. moved the motion as read and presented, seconded by Douglas G., voted unanimously in favor, so declared by the Chairman.

The next meeting is scheduled for July 25, 2019.

7:07 p.m. Jimmy W. made a motion to adjourn, seconded by Richard C., voted unanimously in the affirmative, so declared by the Chairman.

Submitted by Holly Leonard.

Approved by the Water & Sewer Commission this _____ day of _____, **2019.**

Theodore Gallup-Chairman

Charles Hirshberg

Richard Curtis

Jeffrey Reed

Anthony Bergeron

Jimmy Williams

Douglas Gamsby