



**Cogswell Spring Water Works
Water Commission Meeting
Tuesday, July 19, 2022**

Members Present: Jerry Gilbert, Chairman; Jeff Connor, Commissioner; Bill Hall, Commissioner, Jim Donison, Superintendent

Guests: Steve Connor, Connor Backhoe

Recording Secretary: Kelly McCutcheon

Review the Minutes from the previous meetings: 5/17/22

Commissioner Hall moved to approve as amended. Commissioner Connor seconded. Motion carried 3-0.

Appointments.

Steven Connor of Connor Backhoe stated when the town did work on Main Street 3 years ago, the department was told **not** to change the main gate valve on Rush Road that is in dire need of changing. Because the town is currently working on Main Street again, he stated the department has access to the main gate valve on Rush Road and can complete the change Monday night with the least amount of interruption to businesses and residents. With the Superintendent, Steve will take out the T pipe from 1915 and replace it with an 8x8x8 inch T pipe. It will take one night to complete the work and with the highway department already working on Main Street they can work under their permits and won't be responsible for the asphalt and concrete.

Chair Gilbert stated that NEC (New England College) will need to be informed so they can assign a fire watch guard for their residential buildings on Main Street as well the fire department since some hydrants will be off line.

Superintendent's Report.

- NHDES State Requirements
1. Monthly Bacteria Tests (2) taken on 6/1/22, one at 146 Davison Rd was positive so required to take 5 new repeat samples on 6/2/22 which were all Negative (CSWW office and Town office, both wells, country spirits and fitness center). In July four samples taken and all were absent (CSWW office, Town Hall, 17 Liberty Hill Rd and Fire Sta).
 - 25 calls from residents asking to stop adding chlorine
 - Sensor was replaced Monday at the Davison Road Office Tank
 2. Started to add chlorine June 2, 2022, to the Davison Rd tank and pump bldg. no 1 via chem feed pump – goal is to maintain minimal chlorine residual of 0.2 mg/l in the 0.5 MGAL water storage tank. On 7/14/22 the free chlorine residual was 0.34 mg/l and at 17 Liberty Hill Rd it was 0.05 mg/l
 3. Consumer Confidence Report (annual) prepared and mailed to all customers on June 18 and certification letter sent to nhdes
 4. Lead and Copper samples (10 required) to be taken in 3rd quarter 2022

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5. Nitrate, SOC and VOC samples to be taken in 3rd quarter 2022 at Pumphouse 1 and Pumphouse 3.
6. NHDES new rule: *This email is to inform all affected public water systems that the State of New Hampshire will soon be enforcing a Maximum Contaminant Level (MCL) for manganese of 0.3 mg/L. It is anticipated that the proposed rule change will go into effect January 1, 2023. The US Environmental Protection Agency has a long-standing Federal Advisory of 0.3 mg/L for manganese.*
 - Discussion on Part-time position -Received numerous Applications thru Indeed and Town web site for Posted advertisement for a part time water operator (no responses from NHWWA New Hampshire Water Works Assoc or GSRW Granite State Rural Water) – interviewed 7 persons
 - Vacation July 1-July 10 (I have 21 hrs. of comp time accrued). Joe/Charlie Damour covered while I was on vacation 7/1/-7/10/22 which went well.
 - Contract Operations firms Aquamen Water Solutions and Pennichuck Water Works – I would like to know what their scope of services would be so I can explain to them?
 - Would like to know if Jim plans to leave. Chair Gilbert stated if WSO goes becomes unavailable need to line up another provider for backup services. Jim not planning on leaving
 - Commissioner Hall need to review contract with WSO
 - Chair Gilbert stated should wait to contact them further until the department decides on a part time employee
 - Commissioner Hall stated concern of needing ditch help as needed
 - Truck
 1. Hillsboro Dodge ordered Ram 1500 – see attached invoice for \$52,819 includes Boss 7.5' plow for \$5795 (there may be factory rebate TBD). Received email that truck will be delivered to Hillsborough dealer on 8/10/22. Request approval to purchase side mount toolboxes from Lowes for \$400 and rack from Harbor Freight for \$400 – see attached
 - Commissioner Connor requested Weather Guard tool boxes for their length of durability compared to plastic tool boxes
 - Check Berube's for racks, tool boxes, and installation
 - Truck needs lettering still
 - Extractions -
 1. extractions of meters due to customer concerns on water used, one taken at 70 Prospect Street as meter not working. Meter replaced and found internal damage to meter due to a small fragment.
 2. On 7/18/22 plumber requested a meter replacement at 40 Rush Road as meter was leaking water as well as numerous locations throughout the house due to frozen pipes and non-heat this past winter – meter replaced, and final meter invoice sent to plumber for meter and large water use.
 - Budget Discussion – see attached
 - Final Reads – 11
 1. 716 Western Ave
 2. 245 Juniper Ridge
 3. 159 Hillside Drive
 4. 132 The Oaks
 5. 50 Village Green

6. 33 Temple Road
 7. 249 Hillside Drive
 8. 141 Juniper Ridge
 9. 39 Patterson Hill Road
 10. 50 The Oaks
 11. 5 Prospect Street
- Dig Safes – 19 requests through 7/19/22 from
 1. 14 required mark outs i.e., within water system limits
 - Training
 1. NHDES Source Protection Conference May 25th
 - Abatement for Lorin Mulligan -\$48.19 – *Commissioners need more information and will need to go in to do an extraction*
 - 44 Pike Street Abatement - \$217.21 - *44 Pike needs to be purged from the billing book so they do not need to request an abatement every billing cycle*
 - Aquamen Water purchased 13 loads of bulk water for ELVWD on 7/5 and 7/14 (\$1014 invoice send to them) and they have requested additional bulk water on 7/22/22 which I “OK-ed” conditional upon them installing a backflow preventor.
 - June 30 meter readings taken, and information provided to Russ Roy for his invoicing. 579 of 584 meters were successfully read. The five non-reads have their special reasons.
 - Discussing 150 gpm iron treatment system for Foster Rd Well for \$150-200k with R.E. Prescott (water equipment supplier Exeter, NH) where a 150 gpm iron treatment system could be installed for \$200k. Also received a second quote from Technology Sales who represent PureFlow Filtration, equipment cost \$650k for 350 gpm treatment system TS will be providing a new quote for a smaller treatment system that can fit within the existing pump building. Request approval for \$20k to pilot a 10 gpm system to demonstrate that a iron treatment system will treat the well water – see attached schematic.
 - Write letter to US Army corps engineers to allow water to be withdrawn. Person said it will take time Trac 1823 / Lease # DACW33-1-80-58 603-746-3601 Matt Hackett, send request to Project Manager, Stephen.P.Dermody@usace.army.mil
 - i. Previous commission wanted this well to be reactivated, but with the updated infrastructure under the new commission, it is not needed at this time
 - ii. Reactivating will increase operating, upkeep and chemical cost
 - Trailer repaired with new lights
 - Ride around mower – replaced 2 of 3 blades. Had brought the Honda generator, push mower, Stihl sweeper broom, Stihl chainsaw, Huscavaran trimmer to JAGG small engine repair in Weare for evaluation and repairs. Cost was \$664
 - Hydrant flushing and gate valve exercising in August to October once a part-time assistant is on board. Perform one day per week and will post a notice on Town web site and place notice in center of town.
 - Purchased asset management software ARCGIS for \$500 and started asset mapping of hydrants, gate valves and curb service stops (installed on office computer and apple phone)
 - SCADA system (EOS) app to view real time info was installed on apple phone and was working but mid-June it stopped working and according to EOS it will be a while before it is back running. Alarms are

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sent via text to CSWW cell phone. Due to frustration with responses from EOS, obtained quote from Mission Communications for real time monitoring at \$22k for a new SCADA system

- Phone system, TDS, all telephone calls are being forwarded to Jim's cell phone.
- Need to explore wi-fi and pump station and security cameras one option is WYZE cameras
- Security alarm was activated early this month, but no longer being used as 4 burglar alarms received, alarm company to investigate.
- Change internet service from Comcast \$259.94 for next 24 months to TDS for \$59.99/month for next 24 months as part of promotion (regularly \$119/month) – to be connected on 7/20/22
- Emergency generators annual inspection with Powers Guaranteed Generators, Swanzey, NH scheduled for 7/25/22 (3 generators).
- Pump well No 2 emergency generator not operating on 7/13 after lighting surge due to overheating. PGG and Milton CAT contacted. Milton CAT could not service until 7/14 so I contacted PGG and they send a service person out that day 7/13 who diagnosed it as a faulty thermostat and send an invoice for \$543. SM showed on up on 7/14 and replaced thermostat, invoice still to be received.
- Hired a landscaper to cut grass around well 1&2 field/buildings and 0.5 gal tank and fencing. Will plan on cutting grass at 0.3 MGal tank in July.
- A/D Instruments (Tom McPherson 603-382-4667) will calibrate the pump station flow meters and recording charts flows on 8/30/22
- Investigating to purchase of an on-line ph. analyzer which would be connected to SCADA for real time monitoring of Ph and alarms if pH goes too high. Approx. \$2000
- Received a quote of \$3500 to crack seal driveway 146 Davison Rd and \$8500 to crack seal and sealcoat. And \$13,600 to pave overlay. - *put on budget for next year in addition to fixing dip in culvert and catch basin*
- Chemical deliver on 6/22/22 – 250 gallons of caustic (sodium hydroxide) for pH adjustment and 2 – 55 gallon drums of chlorine (sodium hypochlorite).
- pH pump repaired and placed back online at PS#1
- Using the 500K tank setting to control the on-off of the well pumps. This was going well with well pumps turning on every 2nd day for 240K gallons per cycle versus 120K per day cycle. See attached last 2 months chart of water flow records and groundwater level for pump well no 2.
- Lighting surges: 1) on 7/13/22 electrical surges resulted in loss of one phase at pump station 1&2 service which was repaired by Eversource on 7/14/22. 2) Surges also impacted the flow totalizer for Pump No 1, which now totalizes continuously even when pump is not running. 3) Pump no 2 is not responding to the tank level settings, so need to turn on and off manually. Ron with EOS said he will be here on 7/21/22 (hopefully) to repair PLC setting 4) 500K tank pressure transducer stopped measuring water level July 4th week, it was replaced on 7/18/22.

Old Business.

1. Expenditures – see attached 2022 budget and expenditures through 7/19/22
 - To date have used 33% of the budget and are over halfway through the year
 - The truck purchase will bring the department toward utilizing half of the budget
 - Water meters can be purchased through the equipment line item to keep prices stable. Changing out at 10% a year starting next year. Will be budgeted for next year
2. Truck purchase RAM 1500, vehicle to arrive in Hillsborough on 8/10/22

New Business.

1. Review water abatement request for 172 Depot Hill Road for \$48.19 – *More information requested by Commissioners*
2. Review abatement for 44 Pike St, Lawrence E Pike \$166.28
3. New Water service application on Newton Road - *signed but address needs to be assigned from the Fire Department and should go with the driveway*
4. New email address cogswellspring@henniker.org
5. NHDES 2nd Quarter 2022 Water use Report
6. NHDES Drought Update – Moderate Drought Conditions - *static at 35ft, drops 25ft once the pumps start running and will recover in minutes*
7. Replace 2 gate valves and tee on Main Street at Rush Road on 7/27/22, night time work. *Discussed under appointments*
8. Cybersecurity grant funding available – see attached flyer. An assessment of current conditions is scheduled for 7/20/22.
9. 2023 Local Source Water Protection Grant applications for up to \$25,000 are due 11/1/22. Source security such as fencing and an automatic gate are eligible.
10. Request for a Deduct meter received with check for \$435 from 87 Maple Street. I advised Mr. McGraw that he will need to have a plumber contact office so we can provide plumber with meter and provide information so plumber can install RPZ backflow preventor, valve and K-horn and piping.
11. Non-public RSA 91-A:3 ii (B)

Chair Gilbert moved to enter non-public. Commissioner Hall seconded. Motion carried 3-0.

Chair Gilbert moved to exit non-public. Commissioner Connor seconded. Motion carried 3-0.

Commissioners Concerns.

Commissioner Connor asked where all the records from the office with the well field information. Superintendent Jim stated everything has been relocated to the basement until it can be sorted, stored, or shredded.

The new work truck will also need lights and radio and will need to be sent out to have those installed.

Schedule next meeting:

Non-Public August 3, 2022 at 5pm (17:00)

August 16, 2022 at 16:00

Adjourn Meeting.

Commissioner Connor moved to adjourn. Commissioner Hall seconded. Motion carried 3-0.