

**Grand Isle Consolidated Water District  
Minutes of Regular Meeting February 13, 2019, 7:35pm**

Board Members Present: Michael Inners, Janine Banks, Shannon Bundy, Lynda Morgan-Gardiner and Court Perry.

Board Members Not Present: Judi Reposa and Andy Phypers were excused.

SOS Members Present: Operators Warren Steadman and Joe Danis.

Green Mountain Engineering: Not present

Community Members Present: None.

***Additions to the Agenda***

***Review of Meeting Minutes***

Lynda motioned to approve the December 14, 2018 regular meeting minutes and Shannon seconded the motion. All Commissioners were in favor so the motion passed.

***Questions from User's***

None

***Operator's Report***

SOS's full report is attached to these minutes, discussion ensued on a few items.

- 1) On 314, there was water running across the road by Lynda's house. Warren said it does not appear to be our water leak.
- 2) The Generator. Failed during monthly test. Alternator had snapped off. Parts 2-3 weeks out and will take 1-1.5 days to fix it. They rented a backup generator after getting 3 estimates. The Generator is \$892.50/wk, the cables are \$250/wk, delivery \$1100 and Pick up \$TBD. Our unit is old and parts hard to get so we should put on our list to replace, approximately a \$60,000 cost.
- 3) Frozen pump in shallow well. Hatchery drained the well and left it drained and vent brought in cold air for 2 months and froze our pump. Blew hot air down into area and it defrosted and it is functional. Cost was a new sump pump hose purchased to help with the defrosting.
- 4) On both furnaces, they found that the gas valve had corroded and it had broken wires on it. Repairman noticed gas feed to furnace in Kinetico Room was not grounded properly and could cause a gas leak if there is a lightning strike nearby. The line in question will be replaced with black iron pipe and fittings.
- 5) DC Energy found water leaking into main power breaker panel from incoming electricity cable. It appeared water leaking from electrical line from the pole caused our furnace problem. Is all being repaired and costs will be addressed later.
- 6) Fire Protec says we need a smoke detector over the fire detection panel. Michael asks who Fire Protec is there representing and Warren will check.
- 7) Turbidimeters still need to be installed. Is more involved than originally thought. Joe has it all assembled as a unit making it easy for him to install it when DC Energy is ready to connect the system to the HMI.
- 8) Permit to operate. Reviewing it for renewal, the state wants an updated lead and copper sampling site plan. Also, regarding our DBP sampling, they now want HAAs and THMs both sampled at Ladds Point not split with HAAs taken at A&B, so they want a new sampling plan for that too. SOS suggests we should still take at A&B too and see if the HAAs are still higher there than Ladds. Approximate additional cost \$600/yr. Consensus agreed with Joe's suggestion and we will do for a year and revisit it. Shannon motioned to follow SOS's recommendation for a year and then revisit it and Court seconded the motion. All were in favor and the motion passed.

***Engineer's Report***

Green Mountain Engineering (GME) was not present but sent an email.

Michael recapped highlights. New Permit To Operate would allow the daily production of 360,000 gallons.

Brad Washburn emailed:

Good Afternoon –

Green Mountain has been working on the following items over the last month:

1. Allison Murphy from the State of Vermont has reviewed the capacity study that GME prepared last year and has provided comments. GME has prepared the requested revisions and is scheduled to speak to Allison on Friday this week to discuss them. In the comments, she provided a draft of the likely permitted capacity that will be included in the proposed Permit-to-Operate. See below in red, the discussion regarding the new permit.

From Allison:

As mentioned previously, the Division is currently drafting an amended PTO for the Water District. I think this is a good opportunity to clarify the Division's position on the Water District's MDD and ability to expand:

1. **The MDD in the forthcoming amended PTO will be 360,000-gallons per day (gpd).** This calculation is based on the Water District's previously permitted KINETICO® filter capacity [5 filters (1 filter out of service) \* 50-gallons per minute (gpm) = 250 gpm, 250 gpm \* 1440-minutes per day = 360,000]. This could be increased if the Water District completed a pilot study which supported an increase in the filter loading rate from 50 gpm to 60 gpm. If the Water System would like to pursue pilot testing, please let me know. A pilot study scope would need to be submitted to the Division for review and approval prior to initiating the study.
2. The condition in the PTO that either authorizes or prohibits the Permittee from allowing increased uses (i.e., new service connections or increased water uses for existing connections) is influenced by assessing the Water District's infrastructure capacities and the water use demands of the existing users. Based on this assessment, the Division believes that the KINETICO® filters are currently the limiting factor; therefore, the MDD calculations above were based on the previously authorized limits of these filters.

**Based on meter data submitted to the Division and the capacity of the treatment facilities, the Division intends to issue an amended PTO that will allow the Water District to authorize new service connections and increased water uses for existing service connections.**

Note: The Water District is responsible for managing the increased water uses it authorizes to ensure that the system's water use demands do not exceed its permitted capacity (the authorized MDD rate identified above in item #1). This includes managing both the Water District's overall capacity and capacity limitations that may exist in localized portions of the system (e.g., connections served the Lovers Lane pump station). The Water District must consider all of these limitations before authorizing new water uses in any specific portion of the system. Also, per Chapter 21, Appendix A, Part 2.1 of the Vermont Water Supply Rule, "...*When a water system, expecting future growth, reaches 90% of the capacity of treatment or pumping systems capacity, it shall commence planning for the required additional capacity. When pumping or treatment capacities reach 100%, the water system shall initiate construction of these facilities.*" The Water District must track the new water use commitments it provides and be prepared to commence planning for infrastructure improvements as required by the rule based on water use demands. At which time, the Water District may propose items discussed in the Capacity Study.

2. Allison Murphy has reviewed the O&M Manual, which she has provided comments. GME has begun to revise the manual and should be done and submitted back to the State by the end of next week.
3. The Filter Room manifold design is nearly complete and will be submitted to SOS for comment by the end of the week. After comments are provided, GME will submit to the State for the Permit to Construct.

Hopefully you get your meeting in!! Please feel free to contact me with any questions.

### ***Treasurer's Report***

- 1) Michael said one of our bond bills was going to David Borthwick-Leslie and it bounced back since he moved. Michael made a motion for him to become the new representative and use our PO Box address for the mailing address and Shannon seconded the motion. All were in favor and the motion passed.
- 2) Shannon met with Andy and she has a good understanding of the position. She and Melissa will talk with some banks to get rates for us getting CDs as a governmental entity. She will prepare a presentation for the Board.

- 3) Shannon, Janine and Melissa will get together and do new signature cards for the current checking account.
- 4) Andy sent a message through Shannon that he will be spending more time in NH than expected so the Board might like him to resign. We will advertise for another volunteer.
- 5) Melissa's raise? Need to discuss soon.

**Old Business**

1. AT&T Lovers Lane Cell Tower Proposal  
New maps were emailed to us and are included in these minutes. They are planning to start the permitting process this spring.
2. GAC Performance Testing. Janine said the two local commercial labs she spoke to said levels of pesticides and herbicides are generally below detection levels in the lake so there is really no point in testing influent and effluent as both will likely be non-detects and not give us any information on the effectiveness of our GAC filters. Warren said CWD tested for 42 pharmaceuticals in the lake and only got 3 detects that were attributable to contamination in sampling or in lab (Field blank was contaminated). Discussion ensued and consensus was to not test for pharmaceuticals at this time. Discussion ensued about replacing the carbon in the first GAC filter on line in the fall. Warren will get a quote and plan together for us.

**New Business**

1. 2019 Rate Setting. Debt service 97.56 (down), base rate and usage will remain constant. More users on board but we need to maintain our aging facility. Shannon motioned to proceed with these rates for 2019 and Janine second the motion. All were in favor and the motion passed.
2. VLCT Letter – Hazard Alert. Email received from VTCT regarding safety for pedestrians around the water plant in the winter. It talked about aggressively salting and sanding to prevent falls.
3. Discussed SOS monthly bill.
4. Court will miss next month's meeting. He would also like GME to send the replacement pipe drawings to him as well as SOS. Ok.

Shannon made a motion to adjourn the meeting at 8:29PM and Court seconded it. All were in favor.

Janine Banks \_\_\_\_\_ Date: \_\_\_\_\_  
*GICWD Clerk*



SIMON OPERATION SERVICES, INC.

February 13, 2019

Mr. Michael Inners  
Grand Isle Consolidated Water District  
Grand Isle, Vermont 05458

Dear Michael,

Enclosed please find the following reports and activities for the water treatment facility for the month of January, 2019.

1. Monthly Activities Report

## 2. Vermont Water System Operations Report

If you have any questions regarding this information please feel free to call us toll free at 1-888 767 -1885.  
Sincerely,

Joe Danis  
Warren Steadman

cc: Facility copy

143 S. Main Street, Waterbury, VT 05676 1-888-767-1885

### **GRAND ISLE CONSOLIDATED WATER DISTRICT MONTHLY ACTIVITIES REPORT JANUARY 2019**

#### **A: ACTIVITIES COMPLETED**

1. Two samples were taken for coliform testing. Both samples were absent. Monthly backwash data was taken and the monthly report sent to the Watershed Management Division. The monthly Water Operations report was sent to the Water and Groundwater Protection Division
2. Bourne Energy completed maintenance on all of the heating units. While working on the two furnaces in the filter building, the technician noted the wires to the gas valves were corroded which required that the gas valves be replaced.
3. The Media level in the Kinetico filters was checked. It was not necessary to add media to any of the filters'.
4. The water meter was replaced at 233 East Shore North after it was determined that the meter had failed.
5. The water was shut off at 10 Coopers Bay Mobile Home Park while the service line was repaired.

#### **B. ACTIVITIES IN PROGRESS**

1. DC Energy is in the process of updating the programming of the HMI to accommodate the new turbidimeters. As the plant will need to be operated in manual during the installation, Joe and Dwayne have met and determined a sequence for the installation. The old turbidimeters will be removed and new ones installed and plumbed by SOS. Dwayne will wire and install the controls.
2. The State contacted us that while reviewing the O&M manual that was sent to them last January, there were some changes that were needed to be made. We met with Brad from GME to discuss the changes. He will submit the changes to the State. He is also discussing with them the status of the Capacity Study which also was submitted last January. The State is reviewing these documents as they are in the process of updating our operating permit.
3. Joe is in the process of updating the Lead & Copper Sampling Plan and the DBP sampling plan at the request of the State. This is also part of their updating our operating permit.

#### **C. ACTIVITIES PLANNED OR NEEDED.**

1. Bourne's technician noted that a section of the gas supply line to the furnace in the filter room was stainless steel. He informed us that that section of line needed grounding or replaced. DC energy was consulted about grounding that section. It was determined that it would be more cost effective for Bourne to replace the SS line with black iron. The replacement will be scheduled for later this Spring.
2. While checking on the feasibility of grounding the SS gas line, Dwayne opened the main switch box. He noticed water dripping from the incoming power cables and some corrosion on the terminals. He contacted VEC who came and looked at the situation. It was determined that the water was coming down the cable from the connections to the transformer on the power poles. It is assumed that it had been slowly working its way down the cable and had finally reached the building. VEC sent a crew to seal the connections on the

power pole. The power will have to be shut down at the transformer for the repairs to be made in the building, Dwayne will coordinate the work with VEC.

3. A fire alarm violation was noted when Fire Pro-Tec conducted the annual fire alarm system inspection. The violation notice states that there is no smoke detector over the Fire Alarm Control Panel. In the event of an electrical fire in or near the Control Panel, damage could occur before the system is able to set off the alarms. They have given us a cost of \$417.57 to install and wire a Smoke Detector above the Fire Alarm Control Panel.

#### **D. BILLINGS AND COLLECTIONS**

1. Accounts receivable as of February 5 is \$38,271.26
2. In January two liens were placed on properties for non-payment.
3. Second notices were sent out February 6.
4. One check came back for non-sufficient funds.

AT&T Maps Received  
With hardcopy at water plant.