



Emerald Lake Village District

Office: 147 West Main Street
Mail: PO Box 2217
Hillsborough, NH 03244
Tel: 603-464-3128 Fax: 603-464-4132

Board Attendees

Sara Auger, *Commissioner (Chair)*
Brett Taber *Commissioner (remotely)*
Katie Page, *Commissioner*
Rick Rose, *Clerk*
Carolyn Renken, *Treasurer*

Residents

Chris Reed, Wayne Held, Ray Cowham, Don Johnson and Melissa Taber (remotely)

Meeting called to order by Commissioner Auger at 6:30pm.

Agenda

ELVD Workshop meeting
Thursday May 13, 2021 @ 6:30 PM
Location: ELVD office (in person)

- * Pledge of Allegiance
- * Roll Call & Quorum of Commissioners
- * Meet with Aquamen Water Solutions (District Water Operators) - Craig McGraw
- Well Update: Pilot testing at Eastman Beach is currently half way through running tests in regards to treatment process I. They are using a greensand filter in an intermittent regeneration configuration followed by carbon. Greensand is used to eliminate manganese, iron and hydrogen sulfide odor. Eastman doesn't have any Fluoride issues. Testing numbers are looking good and the system is maintaining treatment within reasonable gallon counts between regeneration cycles. There were six samples sent to the lab this week and we're awaiting results. This treatment process looks to be the most cost effective one. Currently, there is no completion date known for when the well could be online.
- Aquamen initially started with utilizing 3 filtration units and sacrificing that media essentially to test out several different treatment processes for efficacy and cost effectiveness for the long term. The current treatment testing is the most simplistic and the most common sense one. By the end of next week, this process testing should be complete and continue to run until the carbon is exhausted. We'll know then what treatment capacity will be for full size carbon. Once the lab tests are returned we'll know even more if this treatment is the way to proceed. This well will be permitted to pump 20 gallons per minute. Aquamen is also writing up a treatment plan (set up and design) for the State regarding arsenic treatment (as State regulations for this change in July) for Patten Hill and should be sent out by next week. Commissioner Taber suggested that the Drinking Water Trust Fund could help with funding for this proposal.
- Upcoming Level of Deficiencies: Commissioner Auger has completed the one that was due May 1st. She let DES know the project has been approved and the current status of its funding. Another deficiency is due June 1st, regarding the zone meters. Craig suggested to the board that a zone meter should be placed near the bridge over by the Emerald Drive zone. They would like to make leak detection analysis a much easier task. This will mean the bridge will be closed for 2-3 days, but the board will make everyone fully aware before that happens.
- Another meter is suggested to go in near the Patten Hill area. This will allow monitoring to occur for Patten Hill, Bog Road and Melody as these have no metering capability.
- Fluoride Levels: This is currently slightly elevated and there is one filter that is offline and the status of that media needs to be determined. Aquamen is in the process of trying to backwash that filter so it can be put back online and

then pull a sample.

- The Meetinghouse PH meter has been clean and calibrated and seems to be working fine now. If this were to fail again, we may need a new probe sensor. Craig will see how much a new one would cost so we have it readily available if there is a future failure.

- The probability of shutting down the Mary Rowe well: If we can get the treatment process finalized and get permitting, this could be an option for us to take the generator from that well and put it at the Eastman well. Mary Row only produces about 3 gallons per minute and accounts for about 90% of arsenic that goes through this treatment plant. Aquamen would prefer to shut down the Mary Rowe well and use it as a standby well, as needed.

- Piping for the treatment: We have the option of going through the lake or the ground. If Mary Rowe gets shut down, the piping would be better going in the ground because it'll be favorable for blending with well #4 and the treatment process for Eastman and blend down the iron and manganese. If Mary Rowe stays online, the lake would be a better option because 21 parts per billion mixing with the iron will have an issue with a filter that will co-precipitate arsenic and iron together then backwash and will result in discharge permits with the State. A cost analysis will need to be done to determine which way to go, but going through the lake would most likely be cheaper.

Old Business:

Bridge Update & Bridge Memorial: Commissioner Taber was at a meeting that took place with Accura Construction and Wright-Pierce and all agreed that the bridge is at a completion point and it can be open for district use. Information has been advertised and posted on FB/website and at the intersections of Bog/Gould that it will be open by this Friday evening. Accura Construction will be finishing up on erosion control and other cosmetic features.

There will be a dedication/memorial of the bridge in Skippy Edwards' name. The board is leaning toward a road sign (placed at the entrance to the bridge) naming the bridge the Eugene "Skippy" Edwards Memorial Bridge. Commissioner Auger made a motion to purchase (up to up to \$250) a road sign, brackets and the post needed for the memorial bridge sign. Commissioners Page, Auger and Taber (remotely) all accepted, motion passed.

Water Ban Review: The water ban will still be in effect this year. We are still in a drought situation.

There is a water violation that Commissioner Auger will be sending out for use of a personal hose. The use of water hoses is NOT allowed during a water ban. Another notice (for Autumn resident) will be going out for the filling of a pool which is also NOT allowed. The board will be requesting a receipt (to be provided in 30 days) for the pool water. If no receipt is provided, they will incur a \$500 fine.

When residents do not pay a fine the information will be sent to the Town when we do the water warrant and they will handle collections and/or place a lien.

New Business:

File Clerk applications: The board received two applications. The position entails someone to work about 8-10 hours a week. The commissioners will meet with each applicant and then make their decision.

Leak Detection survey 2021 update: The district previously qualified to get a grant to help with this survey and due to Covid this will be the second year they are unable to do it. We will not have to reapply next year as we will be automatically included.

Culverts: This year we will try to replace 5 culverts. Commissioner Taber has been in contact with Wright-Pierce to let them know we will be following up with them in regards to the application to the State regarding permitting and shore land impacts. The repairing of culverts will be done on those that need repair sooner rather than later. The plan is to do them all at the same time.

New Road Agent Update: The board has received a lot of positive feedback, so far. The road agent spent the whole week in the district and they will continue to do weekly road monitoring. They have suggested work to be done on Rainbow's End by putting in 2 feet of gravel and saving the material being taken out for future use. This may/may not be done this year based on the budget.

Beach Items (New Sand, Gates/Porta Potties, No Parking Signs): The board needs to plan a date to get the replenishment of sand that any beach may need. There are a couple of residents who may help (volunteer) with the sand once permitting is finalized. We are only allowed to bring in 10 cubic yards. Emerald and Meetinghouse have suffered more sand erosion than the other beaches.

The gate/s over at Eastman is going to remain locked because of the well. As a reminder, there will NO longer be any parking allowed at Eastman Beach.

Commissioner Auger is proposing to open the gates at Emerald Beach on Memorial Day weekend and to remain unlocked all Summer. Commissioner Auger made a motion to purchase materials (up to \$100) for 2 posts for lock usage, if needed. Commissioners Page, Auger and Taber (remotely) all accepted, motion passed.

There will be 3 Porta Potty placements this year: Emerald, Meetinghouse and Hummingbird. At least 2 will have handicapped access.

Commissioner Auger will follow-up with any beach clean-up happening prior to opening all beaches for Memorial Day weekend.

Discuss upcoming actions for road replacement: The next step the board has to decide upon is which roads will have their water pipes replaced starting the end of this year. An environmental evaluation (done by the State) will be done to determine which roads would better be served by pipe replacement. We then will gather quotes/costs and determine how many roads can be done. Final decisions will be based on priority. Currently, the roads on the list are Autumn, Bobolink, Deerpoint, Ellenbrook, Old Lantern, Raccoon Alley, Skyview, Turtle Bridge, Birch Tree, Moccasin Trail and Winter.

The application process (being handled by Commissioner Auger) has to be submitted for the State Revolving Fund by August (for the loan) or we risk losing the loan rate and starting the project this year.

Discuss need for future volunteer/Spring Clean-Up: Volunteers recently helped (thank you!) in cleaning up Burnham Park of dead trees. There is some material left that needs to be brought to the landfill. There is firewood available for those that would like to pick some up. This will be ongoing until the area is clean.

Approve 4/22 meeting minutes: Commissioner Auger made a motion to accept minutes, as written. Commissioners Page, Auger and Taber (remotely) all accepted, motion passed.

Review office activities needing support: The commissioners continue to support the office activities like phones and mail and filing required State forms. Treasurer training has been ongoing.

Adjournment of Meeting: Commissioner Auger made a motion to adjourn the meeting. Commissioners Page, Taber (remotely) and Auger accepted the motion, motion accepted. The meeting was adjourned at 8:36pm.

* Meetings are now being held in person at the district office at 147 W Main Street, Hillsboro, NH unless otherwise noted. The Agenda is subject to change at the Commissioner's discretion up to and during the meeting.

Rick Rose, *ELVD Clerk*

Approved by:

Sara Auger, *Commissioner (Chair)*

Brett Taber, *Commissioner*

Katie Page, *Commissioner*

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