



DORSET FIRE DISTRICT

Dorset Volunteer Fire Dept.
Dorset Water Co.

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DORSET FIRE DISTRICT #1 MEETING

August 13, 2018

Present: Ben Weiss (Chairman), Roger Squire (Vice Chairman), Milt McWayne, Steve Jones, Shawn Hazelton (Fire Chief), Jim McGinnis (Water Operator), Rob Gaiotti (Town Manager)

Absent: Abbott de Rham

Others Present: Greg Kepler, Meddie Perry (VHB), Virginia Longacre, Justine Cook

B. Weiss, Chairman, opened the meeting at 7:00 p.m.

Hydrogeologist Report ~ Meddie Perry & Engineer's Report (Kepler)

G. Kepler explained that Frost Well Drilling has done additional work on the well which has improved the sediment results, but there are still concerns about clogging with simple filtration techniques. M. Perry noted that there are some different options for the next steps to be taken such as:

- Tinkering with the well to produce clearer water with a filter that doesn't clog. It is suspected that some veins are dirtier than others and could possibly be sealed off. The down side of modifying the well for the flow of water is that the State could require that the 96 hour pump test be repeated for yield causing delays and additional cost.
- Go directly to filtering techniques engineered with the correct capacity. Pilot testing should be done so it can be observed in order to design the best filtration. G. Kepler noted that Otter Creek recommended pilot testing.

Discussion ensued regarding filtering, at what level of GPM and clogging. Also discussed was disposal method of material taken out by filters. M. Perry explained that this type of filtering is natural and creates clean earth material similar to a shovel full of dirt. In answer to R. Squire's question about whether the sediment could possibly recede, M. Perry said it might be possible, but how long it could take is the question. There is a lot of loose material in the

rock and Frost did blow out the well and pumped it again which improved the cleanliness. M. Perry stated that as of today, this well will be a lot easier to filter and the next step to talk about is pilot testing as the quickest route to the end goal. In his experience, M. Perry felt that a filtration system could be successfully used at a reasonable cost. Maintenance would be dependent upon the number of filters used and can be designed to what the Board decides is a reasonable maintenance schedule.

Discussion about:

- is there is a point in time to say that the well cost outweighs the end goal
- water quality
- what is the swing point to change directions away from this well,
- M. Perry is fairly confident that the sediment levels will get less over time
- Dorset is unique in that it has underground cavities of water
- Drilling another well on the same property with the same results
- Gravel well (expensive option)
- Sleeving off dirtier veins of this well
- Pilot testing and “downloading” camera recommended which could give valuable information
- Timeframe approximately four to eight weeks for testing and results from pilot work
- Source permit submission
- Water emergency use of the well
- \$2,000 to \$3,000 estimated cost of camera testing
- \$8,000 to \$10,000 estimated cost for pilot testing

G. Kepler noted that three phase electric needs to be brought to the site and that Dydo should be doing the meter station work this week. B. Weiss asked about having a rain gauge installed in order to have automatic reports delivered and G. Kepler will check to see where that could be done (meter or pump station). R. Gaiotti suggested doing the hydrologic modeling and cost estimations to roll into the next budgeting cycle to dovetail funding. B. Weiss asked about the UVM Capstone program and involving students in the hydrologic modeling. G. Kepler expressed that the students could be a good resource, but was uncomfortable with having them as the main people in charge of the modeling. Discussion ensued regarding bond approval, planning loan, conventional loans, contingency line in the budget, simple filtration costs and where the budget stands. B. Weiss asked for a monthly budget status.

R. Squire moved and M. McWayne seconded to approve G. Kepler’s report as presented. Motion carried 4-0.

Approval of July 9, 2018 Minutes

S. Jones moved and M. McWayne seconded to approve the July 9, 2018 minutes as presented. Motion carried 4-0.

Water Operator's Report (McGinnis)

J. McGinnis reported:

- New chlorinator is operational using an electronic module and solar panel.
- S. Hazelton replied to J. McGinnis' question about the relocation of the radio repeater that the Firefighters will keep the repeater at the firehouse.
- With recent rains, springs are overflowing and the reservoir overflow and reservoir bypass systems are functioning normally.
- It was noted that a few leaks have been fixed and the Route 30 North distribution system is questionable.
- Work continues on Dorset West Road with leak detectors and ground microphone for noise levels still being heard on line.
- Spring production on August 1, 2018 was 240 to 245 GPM.

B. Weiss mentioned that the hydrologic study could outline the options for the long main and service lines and possible solutions. J. Cook asked about having to change the bylaws regarding service lines and felt that a comprehensive repair of water lines should be contemplated and everyone be informed of the end goal and entire costs. R. Gaiotti noted that the hydrologic study will give a better overall picture and mentioned that potable water and fire services were separate issues.

R. Squire moved and S. Jones seconded to approve the Water Operator's report as submitted. Motion carried 4-0.

Fire Chief's Report (Hazelton)

S. Hazelton read his report for the Department's calls for July 12th to August 10th. B. Weiss recommended that S. Hazelton write a letter to Long Trail School outlining the violations observed. M. McWayne moved and R. Squire seconded to approve the Fire Chief's report as presented. Motion carried 4-0.

Water Manager's Report (Gaiotti)

The Water Manager's report included:

- Discussed earlier for well development: camera use, pilot testing & filtration
- Green Mountain Power marked the utility lines to the meter station
- Expedite the hydraulic modeling study timeframe & create construction options especially for Route 30 which is scheduled for paving in 2020
- Discussion with SB about feasibility of expanding highway department

R. Squire moved and S. Jones seconded to approve the Water Manager's report as presented. Motion carried 4-0.

Fire & Water Financials (Gaiotti)

R. Gaiotti reviewed his report:

- Water District & Fire District cash on hand ~ Net position amount for water to be changed to \$58,286
- Fourteen accounts delinquent for water
- FY 18 audit draft completed
- Delinquent fire tax amount down to \$6,863

It was the consensus of the Board members to waive the Maple Hill Cemetery fourth quarter billing amount of \$104.29.

Review and acceptance of the water rate spreadsheet for the 2018-2019 tax billing. A letter of explanation will be drafted to send with the bill.

R. Squire moved and M. McWayne seconded to approve the financial reports as presented. Motion carried 4-0.

Old Business

- The fire truck to be sold has been listed for \$62,500
- Revised specifications and modifications have been done for the new truck ordered in June.

New Business

- UVM civil & environmental engineering capstone project ~ deadline to participate. B. Weiss will discuss possible participation with G. Kepler.
- It was the consensus of the Board members to pay the Woodsmen insurance bill for Alan Casey and David Green.
- It was the consensus of the Board members to approve a cell phone upgrade for Shawn Hazelton.

R. Squire moved and S. Jones seconded to adjourn the meeting at 10:10 p.m. Motion carried 4-0.

Respectfully Submitted

Nancy Aversano

Town of Dorset ~ Dorset Fire District #1

Date 8/13/18

Regular Meeting
 Special Meeting

(Please Print) Name	Mailing Address	Representing	Testifying (Yes/No)
Shawn Hazelton	433 Pauls way	Fire chief	yes
<i>Colin Keple</i>		<i>DFD #1</i>	<i>Yes</i>
Meddie Perry	FOX DRIVE South Burlington VT	VAB	yes
Jim McGinnis	4232 RT 30	water operator	yes
Justine Cook	P.O. BOX 536, Dorset VT	-	no
Virginia Longacre	2533 Rt 30 Dorset VT	self	no