



TOWN OF BOW

Drinking Water Protection Committee

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Approved as edited on April 1, 2019.

MINUTES February 4, 2019

Attendees: Tom O'Donovan, Cindy Klevens, Wendy Waskin, Dick Kraybill, Madhumita Chatterjee, Blake Hooper, Noel Gourley, and Eric Burkett.

Chair Tom O'Donovan called the meeting to order at 5:32 PM and thanked Eric Burkett for coming to the meeting to discuss items on the agenda related to the Town water operator.

1) MINUTES.

Minutes were reviewed and small changes were made. Motion made by Ms. Klevens to approve January 7, 2019 meeting minutes as presented and duly seconded by Mr. Hooper and passed unanimously.

2) REVIEW OF MUNICIPAL WELL OPERATIONS WITH ERIC BURKETT, WHITEWATER AND WASTEWATER SOLUTIONS

Mr. Burkett introduced himself and gave a brief overview of the municipal water system, its users, following recommendations of the Committee to use caustic for water PH balance, stagnant water turnover, and etc. Then Mr. Burkett answered questions about the high levels of Sodium and Chloride in the production and monitoring wells, possible causes, state regulation, treatment options and whether it is rational to treat a secondary contaminant, which both substance are. Then the Committee discussed the location of wells with elevated Sodium and Chloride levels and the possibility to find out whether the proximity to the highway can be contributing to the contamination and if there is any seasonal variation. Mr. O'Donovan noted that he will research the concrete industry standards to find out more about salt effect on concrete quality*. Mr. Burkett added that high Sodium and Chloride numbers are not only happening in New Hampshire as he is seeing even higher numbers in Massachusetts. Ms. Klevens suggested that the Town should continue using best management practices to reduce the amount of road salt from getting into the aquifer. Mr. Kraybill also suggested that paper research could be attempted to see if there is spatial variation in water quality and added that seasonal variations may not be as indicative of the source. He also suggested to perform conductivity testing. Committee requested Mr. Burkett to inquire from David Stack about a possibility to test the production wells and observation well #6 for both substances and for conductivity on a quarterly basis and, if given the go ahead, start doing it as soon as possible*.

Another discussion was on the Best Management Practice (BMP) inspections of the potential contamination sites in the wellhead protection area. Mr. Burkett updated the Committee on the latest round of inspections and said that the most serious infraction was storage of flammable products without adequate labeling, which may endanger firefighters. Also discussed was the possibility to have someone from the Town participate in such inspections, whether the next round of inspections would be in 2020 (Mr. Burkett will send a confirmation*), and the report after the inspections.

3) BROWN HILL WATER STUDY REVIEW

Mr. Gourley went over ways the Town continues to manage and reduce road salt applications (Recommendation #4) all over the Town and on Brown Hill Road in particular. Members also discussed the use of salt by the NHDOT on the state highways that go through the Town. A question was asked whether it is possible to implement a no salt policy on Brown Hill Road and Mr. Gourley responded that it would be too dangerous due to slopes. He did say that currently less salt is used on that road than on other roads in Town.

Mr. Gourley also spoke about checking the feasibility of implementing an engineering solution to reduce/eliminate infiltration of salt contaminated runoff in the drainage in some areas of Brown Hill Road. He noted that it does not seem feasible due to high cost of implementation. Committee also discussed whether the updates to the recommendations need to be updated and Ms. Klevens took it upon herself to update them*.

4) TASKS FROM LAST MEETING

Ms. Waskin

- Find more information on state regulations for salt water pools.- *completed*. Ms. Waskin said that she will forward the fact sheet on pool maintenance to Ms. Snegach to further distribute it to all members*. She also noted that NHDES does not regulate residential pool water discharge. Members discussed the salt water pools sodium levels and how it compares to the use of water softeners and came to a conclusion that there was much less salt in the former. Also discussed was code enforcement of pools and discharge of water from them. General consensus was that the Committee should recommend to the area residents not to drain the pool water (especially from a salt water system) to the ground. Also the Committee asked Mr. Gourley to find out from the Town Code Enforcement officers about any enforcement action relative to pool use in town*.

Ms. Klevens

- Add MtBE information on South St wells to the Water Quality memo prepared earlier - *Completed*. Ms. will forward the South Street Memo with the maps to the Town Manager*.
- Find BMP inspections timeline – *continued*. Ms. Klevens will update everyone once she hears back from NHDES*.

Mr. O'Donovan

- Annual Report – completed. Mr. O'Donovan said that he finalized it and sent to the Town Manager.
- Draft a follow up article on well testing event for the Bow Times – *continued*.
- Draft note to Eversource with question about page 8 of their results – *continued*.
- Draft change to Ordinance establishing BDWPC – *continued*.
- Call/visit the remaining daycares/preschools to notify about Lead testing – *continued*.

Mr. Kraybill

- Contact Eric Burkett to inquire about compliance status with the state with regard to the elevated sodium and chloride results in PW-1 and send an email to White Water Inc. with a list of potential questions – *completed (see discussion above)*.

Mr. Taylor

- Inform the Committee about the date of the progress meeting with Dubois&King on the Municipal Water System Expansion. - *completed*. Ms. Snegach said that a representative from Dubois&King will be attending the March meeting.

Ms. Chatterjee

- Review Eversource test results. – *continued*.

Mr. Gourley

- Research the salt usage on the private parking lot adjacent to the municipal well site. – *completed*.

Meeting adjourned at 6:50 PM. Next Meeting is **March 4, 2019 at 5:30 pm**.