

Lost Lake Sewer Committee Minutes
February 14, 2013

Present: Dr. Horowitz, Board of Health; Thomas D. Orcutt, Water/Sewer Superintendent; John G. Petropoulos, Selectman; and Angela Garger

Absent: Jay M. Prager, Finance Committee

Old Business

- I. Review and approve meeting minutes from January 31.
- II. Tom presented the last bill from Woodard and Curran. He said that they would not be doing any additional work until they get a directive from the committee and/or the town.
 - a. Selectman Petropoulos said that he thought that monitoring the water flow at the dam was going to continue. He asked Tom to contact them to find out what the next steps are for monitoring and what the cost would be.

New Business

- I. The discussion began reviewing our objectives. We are trying to determine what further data is needed and what questions need to be answered.
- II. Risk to the public drinking water supply needs to be assessed
 - a. The hydrogeology data available is limited and not current
 - b. The previous IEP study mapped all of the water resources in Groton. The study determined the water flows and where they go.
 - c. Selectman Petropoulos asked if there was a map that showed how the ground water flowed?
 - d. The way the water flows within an aquifer could determine how and if contaminants may be going into the well, (and/or the lake).
 - e. If there are pollutants in the lake why are they not showing up in the well?
 - i. When, (or if), can we expect to see something in the well?
 - f. Does the lake feed the aquifer or does the aquifer feed the lake?
 - i. How does water flow in and out?
 - g. There was discussion about what streams/springs feed Lost Lake
 - i. The general thought was that two streams feed Lost Lake
 - ii. Art Press and Alex Woodle may be able to assist us with the sources that are feeding the lake
 - h. Tom noted that monitoring wells had been installed on Whiley Road at the time when Shaw's was built
- III. The questions was brought up of what if the well is contaminated what could be done? Would it have to be shut down?
 - a. Tom said that it would depend on what type of contaminate was in the well.

- b. He said a reverse osmosis facility to treat the well for nitrates could be built. The estimated cost is 1.5 - 2.0 million. Tom will confirm cost.
- IV. Risk to private wells
 - a. Should we get cost estimates for installing wells in the Lost Lake Area
- V. Discussion returned to finding some professionals who could assist with answering many of the questions listed above.
 - a. Hydrogeologist
 - b. Limnologist
 - i. Savos is a limnologist
 - c. Mark Deuger may be willing to attend a meeting and answer question.
- VI. Next meeting 2/28 at 6:30pm

Action Items

- I. Tom will look into the IEP study to see what maps and scientific data are on record. He will see who the engineers were and see how they derived the maps.
- II. Tom will find out what the estimated cost was to build a reverse osmosis facility, for the well, to treat for nitrates.
- III. Angela will keep a running list of questions so that we will have them when we have the opportunity to speak to a hydrogeologist, limnologist or other professionals who may assist us in gathering information.