

**North Branch Fire District #1
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Minutes of the Special Meeting of the North Branch Fire District #1, Prudential Committee, December 15, 2015.

This Meeting, having been duly warned, was called to order at 11:00 a.m. by Chairman, Hobart Terhune.

Members Present: Thomas Ferrazza, Hobie Terhune, Edward Barber and Daniel Facilla.

Absent: Cyndee Frere.

Also Present: Bart Howes, Edward Floyd and Linda Holland.

Public Comment: None.

Edward Floyd/Technicon P.C./Overall View of the Treatment Facility: Floyd, Howes and the Prudential Committee met to discuss the needs of the treatment facility.

Effluent Disposal Field: Floyd stated that the initial test was performed on one spot in the field and that one spot would take up to 60 gallons per square foot. As an example a typical house leach field is less than two gallons per square foot. The effluent disposal field is currently being utilized Monday through Friday and according to Howes, John Akielaszek has stated that the field needs a two day rest period. The current design flow for the field is 30 gallons per square foot. However, the actual application rate is 12.5 gallons per square foot. The effluent disposal field does well but it will not take the place of the sprayfield.

Sprayfield: Howes stated the sprayfield needs to be rebuilt with new conduit. Floyd stated the sprayfield was constructed between 1972 and 1974 and the lines should have been run up the hill, not across the hill. Terhune asked Floyd what do we do about the sprayfield? Floyd's suggestion is to use the holding pond and subsurface when possible. Howes informed the Committee that he sprays approximately 400,000 gallons each day and it was not his intention to re-engineer the sprayfield, only to replace the existing power that is malfunctioning. Barber suggested doing half the sprayfield now and a few years later do the other half. Howes stated that junction boxes and electric conduit are full of water and two spray lines have total electrical failure.

Clarifiers: Facilla asked if the clarifiers were the most important. Howes stated the clarifiers are missing parts and have had missing parts for years. Holland stated that the last time she is aware of major clarifier repairs was twenty-five years ago when Kathy Peterson was Chief Operator. The Committee asked “do we rebuild what we have in place?” Bart stated that the clarifier manufacturer recommends we construct larger clarifiers when the manufacturer was given the same design specs that were used for the 2010 upgrade. Floyd stated those are high performance clarifiers and will be needed with higher flows. New high performance clarifiers are much deeper.

Belt Press/Centrifuge: Howes informed the Committee that the belt press is just meeting the percent solids we can ship. Shipping liquid would cost an additional \$146,000.00 per year. The life expectancy of a centrifuge is twenty years.

Out Buildings: Floyd will contact the structural engineer regarding both proposed buildings.

Floyd asked the Committee what options are available, what needs to be done first and how do you want to approach this? Floyd and Howes will meet more frequently to work on various recommendations for the Committee to review.

The Committee approved and estimated expenditure of \$5,000.00 to have Floyd work on a cost benefit analysis regarding the various upgrades. The cost benefit analysis will be presented at the February 10, 2016 meeting.

Terhune adjourned the meeting at 12:05 p.m.

Respectfully Submitted:

Linda L. Holland,
Administrative Manager

cc: H. Terhune, D. Facilla, E. Barber, E. Floyd, T. Ferrazza, Cyndee Frere, Bart Howes, Ed Floyd, Joe Mahon, Amiee Pritcher, Arlene Palmiter, Donald Albano, Linda Anelli, Adam Levine, Jeannie Flanagan, Deerfield Valley News and the Brattleboro Reformer.

Posted: North Branch Fire District #1, Wastewater Treatment Facility & Administrations Building. Dover Town Office.