

**WATER SYSTEM COMMITTEE**  
**MINUTES OF MAY 15, 2008**

Town Hall Annex  
5 Highland Street  
Main Conference Room

**Meeting Opened:** 5:05 p.m.

**Members Present:** Keith Forrester, Carol Granfield, Bob Hill, Jonathan James, Miller Lovett, (Selectmen Representative), Chuck Palm (Selectmen Alternate), Richard Roman, and David Thorpe.

**Members Absent:** John Edgar, Chuck Lowth

**Approval of Minutes:** The approval of minutes was deferred.

**Reports by Subcommittee Chairs:**

**Treatment:** Keith continued his report from the last meeting. He summarized areas that improvements could be made at little or no cost. The modification of flocculation system could improve the system significantly; the intake redesign could reduce the turbidity by changing the intake and modification of filter beds would increase production rate. Looking at the Fire Demand, he noted that we have lakes and dry hydrants. Chuck Palm spoke to the water sources of Lake Waukewan and Winnepesaukee that could be pumped out of for several weeks. There was discussion pertaining to information in the SEA report and Dave and Keith concurred that the peaking factors seem too conservative. Lastly, Keith stated that we need to take a look at continued chlorination, as this can be replaced and it may be an option that needs to be reviewed. He estimates that he will have completed his review of running pilots in approximately three months and the other areas of review are estimated to take 30 – 60 days into September.

**Distribution:** Richard discussed the history of service since 1988 noting all the new developments that have been added since that time. He stated that the biggest issue is the blow offs. He discussed exploring cost effective ways to drastically reduce the blow offs. He is further exploring more dry hydrants with Chuck Palm. Richard discussed the backup generators at the pump stations noting they run on propane and at the plant. They are checked once a week and have full service once a year.

**Storage:** Dave stated he believes three issues need to be considered: (1) service needs of the water system; (2) storage considerations and (3) redundancy. He discussed the system requirements regarding both the affordability of options and the feasibility of a co-location of new storage capability. Keith noted we should be thinking of a design that uses the tank water and also how to replenish it. Dave presented a

proposed workplan to include various milestones and dates. Dave reviewed a map noting potential sites for a new tank. It would have to meet the height of the current tank which is 755 feet. Carol explained to the committee the process for acquiring land that would be required for a new tank location. Bob provided information regarding the amount of flow since 1997, listing peak days. A review of all information indicates we are using less water now.

Miller noted that one thing we are missing is a cash flow analysis for ten years to determine a breakeven point. What kind of capacity is needed to carry itself to includes rates, etc. Carol informed the committee that we are now reviewing rates and will be conducting an analysis to update them.

The committee discussed what will be needed in order to provide the Board of Selectmen with information for the October 6 timeframe.

**Meeting Adjourned:** 7:00 p.m.

Respectfully submitted,  
Carol M. Granfield