

Mountain Lakes District Water Committee Meeting
April 14, 2011

Status: Reviewed

Purpose of Meeting:

The purpose of this meeting was to discuss with DuBois&King and with a hydrologist with previous experience in our area the plan to increase the yield of our Bedrock Well #4 by drilling it deeper.

The meeting was held at the District Office from 10:00 PM to 12:00 PM on April 14, 2011.

Attendees:

Mountain Lakes Water Committee: Ed Rajsteter – Commissioner, Don Drew, Ken King
Dubois&King: Chuck Goodling, Tom Doty
Hydrosources Associates: Claude Cormier

Background:

In a previous meeting with DuBois&King, the district has asked them to provide a proposal to us for engineering assistance in the drilling of our Bedrock Well #4 (BRW#4) from 500 feet to 1100 feet depth in order to increase the output of the well from the current 5 gallons per minute (gpm) back to the original 23 gpm. They had submitted a proposal to us to do that. We also wanted to talk with a hydrologist that had previous experience with our area to understand the probability of success of such a project.

Meeting:

Ed started with a discussion of how we got to this point. We wanted to increase the capacity of BRW#4 back to its original output as part of maintaining a local source to help minimize our dependence on Woodsville Water. This seemed to be a logical, cost effective next step in this process..

Claude talked about his previous interaction with Mountain Lakes. He had previously worked for the company that had done the initial analysis of possible well sites for Mountain Lakes 23 years ago.

Claude also talked about the options for BRW#4 including additional drilling (it gets very costly to drill past 500') and possible chemical treatments.

There was a lot of discussion and Claude shifted the discussion from BRW#4 to the broader context of all of our local sources in comparison to Woodsville water.

There was a discussion about how to calculate our maximum capacity required. We can either use metered data on maximum capacity or a per house amount and extrapolate to the build out number of homes (WC is using 450 as the build out number).

Claude pointed out that with both state and federal agencies wanting to close down all of the infiltration wells, we would probably have to shut down ours at some point and he did not believe that drilling BRW#4 deeper would provide the capacity needed to take us to build out. We would have to either resume our search for a new source or use more from Woodsville.

At the end of the meeting, Don and Ken had a discussion with the D&K people about the work they can do in preparing maps of water systems. They had two examples. One was a simple overlay of the water lines on a large area photo and the second was a full blown detailed map from a GIS system. We need to find a way to easily collect and update all information on our water system and to insure backup copies exist in the event that the District Building washes away. Don and Ken will continue to examine alternative solutions in this area.

Conclusions:

1. We need to do the second MPA test on our Infiltration Well as requested by the state. This will give us a better idea about how long we will be able to use this well.
2. We need to understand the cost and do a design for increasing our connection with Woodsville.
3. We need to verify that Woodsville can provide our total build out capacity.
4. We should put the drilling of BRW#4 on hold.

Assignments:

1. Meeting minutes (this document) – Ken
2. Arrange for the MPA test – Don
3. Determine need for D&K assistance as we move ahead – Ed, Ken