

Mesa Cortina Water & Sanitation District
BOARD OF DIRECTORS MEETING
Tuesday, June 2, 2009
Blue River Room – Silverthorne Library

Attending Board members:

Jon Whinston	Barry Westerland
Billy Jack	Randy Rehn
Chuck Gray	

Others attending:

Bob Polich	District Administrator, Mountain Systems
Jeff Leigh	District Manager
Jim McLaughlin	McLaughlin Water Engineer
Benson Smith	Treatment Technology

President Jon Whinston called the meeting to order at 5:03 PM

Minutes. *The minutes from the May 6, 2009 were approved as written. (/RehnWesterland,5-0).*

Operations. Copies of the keys for the Forest Service water tank gate needed to be made to include with the District access keys. The meter supplies and equipment in the vault had been inventoried. The District would obtain water valve keys for on site storage once the type of keys needed was determined. Benson Smith of Treatment Technology attended the meeting and was introduced to the Board.

Water Supply Review. Jim McLaughlin of McLaughlin Water Engineers attended the meeting to review the information regarding the Bashore test well and water use, and other infrastructure in the District. The Bashore test well was drilled with the goal of obtaining an additional water source. The test well provides more than enough water for the needs of the District, but the water quality would require treatment. Jim felt the water quality limited the viable method of treatment to Reverse Osmosis (RO). RO was explained as a method of removing “salts” from the water utilizing waste and mixed water techniques to provide an acceptable drinking water source. An example given was 10 gallons of water from the well would result in 30% to 40% brine waste and then a mix of half treated water and half untreated water for a final product. The projected cost of the RO treatment units was approximately \$20,000 with the possible requirement of pretreatment equipment with a additional cost of up to \$20,000. A plant structure about the size of a one car garage would be required. There was a discussion of the pros and cons of the plant and sewer connection at the Bashore well site or located up the hill within the District boundaries. Consideration of the plant location included the cost of water and sewer line construction based on if they were for raw water or treated water. The zone the new water source would be connected to would be a future consideration. It was possible for zones in the District to be supplied by different water sources. The current wells provide a limited water supply, but at the lowest cost per gallon as

treatment was not required. Jim provided an operating cost estimate of \$2 per 1,000 gallons including operator cost, utilities, and pumping to use the RO water. The RO water would be utilized to supplement the existing wells. Jim indicated that overall he was more comfortable working with treating water in sufficient quantities than the risk of not enough water from wells located within the District. A factor in the consideration of the RO treatment method was if the disposal of the brine would be at a limited cost or at no cost with the Joint Sewer Authority (JSA). The first step in the consideration of the Bashore source would be a complete water test and the second step would be to confirm the cost of brine disposal with JSA. There was a general discussion of the master plan for the District, brine disposal during non-peak sewer flow hours, and pre-treatment of sewage within the District to reduce sewer line costs to the mainline below the Bashore easement.

The Board approved a motion to have the required water quality test of the Bashore water done. (Rehn/Whinston,5-0). The cost of the test was expected to be in the \$2,300 to \$3,000 range.

The Board outlined the options of water from the existing wells, new wells within the District, continuation of the agreement with the Buffalo Mountain Metro District (BMMD) for water, and the development of the Bashore water source.

A motion was approved to have Jim McLaughlin consult with the JSA regarding the cost of brine treatment related to utilizing the Bashore water source. (Rehn/Westerland,5-0).

Jim indicated the results of the water quality test and a confirmation of the brine treatment cost would allow his firm to prepare a more definitive design for the use of the Bashore well and the overall plan of the District. He projected a cost of \$10,000 to \$15,000 for the Bashore work.

Other. Other items discussed by the Board with Jim McLaughlin included the concept of trading the Bashore water to Silverthorne for treated water; maintenance of the connection with BMMD if the District only would use it as an emergency source; the status of taking the water tank off line this year for the next inspection and the ability of the original contractor to make any required repairs; and repair of the Bashore well valve break.

Next Meeting. Pending results of the Bashore water testing, the next meeting was scheduled for Tuesday July 7, 2009 at 5 PM. If the meeting was postponed, the next meeting would be Tuesday August 4, 2009 at 5 PM.

The meeting was adjourned at 7:38 PM