

Engineering and Operations Committee Meeting

Minutes

June 19, 2014

The meeting was convened at 3:04 P.M., Thursday, June 19, 2014, at the Lakeway Municipal Utility District's office located at 1097 Lohman's Crossing, Lakeway, Texas 78734-4459.

The following Engineering and Operations (E&O) Committee Members, General Manager (GM), and Board Liaison were in attendance:

Don Walden, *Chairman*,
Earl Foster, *General Manager, Lakeway M.U.D.*,
Bob Rives, *Committee Member (Secretary)*,
Jerry Hietpas, *Board Member and Board Liaison to Committee*,
Pat Rossmiller, *Committee Member*,
Wayne Seime, *Committee Member*.

The meeting's agenda had been distributed to all committee members by Loyd Smith on June 16, 2014. The designated Agenda for the meeting was:

1. Discuss Meeting Day and Time,
2. Ground Water Update,
3. Clearwell Update,
4. Permit Submittals,
5. Request by Larry Burnmeier.

As a side issue Mr. Foster reminded the Committee that there is a vacancy on the E&O Committee and that he would like to see if a person with Supervisory Control and Data Acquisition (SCADA) experience (that is, an in/or out of district customer) might be interested. The members were asked to see if they could find any candidates that might be interested and to obtain their resumes.

Item one of the agenda was then discussed. It was determined that future meetings could be convened at 1:00 P.M. on the third Thursday or on a Tuesday at 3:00 P.M. Mr. Walden had to leave early and Mr. Foster said he would check with him to see which time he would prefer, as the rest of the Committee was amiable with either time. However, the next Committee meeting was called for the regular date and time of 3:00 P.M. on July 17, 2014.

Mr. Foster addressed item two of the agenda. With the upcoming August budget meeting of the Board, it was determined that the Committee should be in a position by the next meeting date to have a recommendation regarding the drilling of a pilot hole to test the availability of

ground water as a supplement to our normal Lake Travis supply. Mr. Foster said he would check to see how much a well would cost. The well depth should test the Hosston Formation which would mean drilling a well to about 1,000 feet or until it reached the Paleozoic. The primary aim of the well would be to test the water potential of the Hensell (Middle Trinity) but most especially the Hosston sands (Lower Trinity). Well data indicates that the Hensell Sand is about 30-feet thick and the Hosston Sand should be about 200-feet thick in the Lakeway area. A pilot hole would require wireline logging to determine water-producing zones, chemical testing of the water from the Hensell as well as the Hosston sands, and testing for flow rates of both intervals.

Location of the well was also discussed. Geological data suggest a well on the eastern-most side of Lakeway would encounter the best Hosston sand; however, such a well would be remote from the processing plant and completion and piping would be costly. The obvious best location would be a well in proximity to the present water facility plant or on the western side of Lakeway. In order for the well to be viable it was felt that a flow rate of about 300,000 gallons per day (or about 200 gallons per minute) would be required. It was noted from well history in the Lakeway area that the shallower Hensell Sand (Middle Trinity) have yielded rates of 50 to 100 gallons per minute on casing pipes of 4 to 7 inches in diameter. However, it is believed that the Middle Trinity sand would not likely yield commercial amounts of water from a single hole.

Another question that needed to be answered was for the Committee to determine the availability of a local geological consultant or perhaps a University of Texas Geology Professor to supervise on the drilling of the well and to advise M.U.D. of the overall water prospects and geology of the pilot hole. We would also need to know the consultant's fee.

Mr. Foster said that regarding the Clearwell Project we now have acquired City Permits, established a center point for the tank, and have begun clearing ground. It was mentioned that the HP pumps could be delayed but this was not crucial to the project. Mr. Foster said he would know more about a firm delivery date in August.

Other business was that the S-4 Permits were submitted on May 30. A few items needed to be clarified and they were resubmitted to TCEQ. We should have a return response by July 11, 2014.

Mr. Hietpas told the Committee members that Mr. Larry Burmeier (Board Member) wanted to know from the members the three-to-five most important improvements they thought that the Board and Staff should be working on to accomplish in the next twelve months. Mr. Foster asked that the Committee give this some thought and we would talk about it at the next meeting.

The next meeting was set for 17 July, 2014, at 3:00 P.M. Regular business was completed and the meeting was adjourned at 4:40 P.M.

The minutes have been read and approved by e-mail:

These minutes approved this 25 day of June, 2014.

Yeas __4__, Nays __0__, Abstain __0__.

Robert Rives, Secretary, E&O Committee, Lakeway MUD