

Engineering and Operations Committee Meeting

Minutes

October 30, 2014

The meeting was convened by the Chairman at 1:30 P.M., Thursday, October 30, 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 and General Manager (GM) were in attendance:

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

Member not in attendance:

Pat Rossmiller, *Committee Member*.

The meeting's agenda had been distributed to all committee members by e-mail on October 27, 2014. The designated Agenda for the meeting was:

1. Review Cost for Ground Water Well,
2. Review Raw Water Barge (B-4) Improvements,
3. Review Pay Application from DN Tanks for Clearwell,
4. Update on High Service Pump Station Engineering,
5. Update on S-4 Permit Amendment.

Mr. Foster said that he had earlier telecoms with Mr. Hank Smith of Texas Engineering Solutions and Mr. Joe Vickers, a geologist, regarding a potential ground water well. A meeting has been set up for Tuesday, November 4th, at 11:00 A.M. with Mr. Smith and Mr. Vickers to converse with the E&O Committee members. This meeting should give the Committee the necessary information so as to form a proposal to the Board sometime either in November or early December.

Mr. Foster handed out detail drawings for the M.U.D. raw-water intake barge that were produced by Steger and Bizzell Engineers, Inc., along with their proposal to increase the support for the barge frame which has deflation in the middle of its flooring. Basically the proposal calls for additional crossbeams that will create a grid that spreads the load over a larger area of the barge trusses. This also requires three lift tanks to be positioned and secured under the existing

flotation and directly under the new support beams. These lift tanks will provide additional flotation to support the header and to decrease the amount of deflection in the barge trusses. The total costs for the modifications is \$66,733.35, of which participants will share pro rata. Lakeway M.U.D.'s share will be \$39,372.47. Our cost will come from the capital construction fund. In further regards to the barge Mr. Foster said the lake is now at 622-feet and reiterated that 617-feet is the critical level for the barge's pump efficiency curve and at 590-feet we will need to extend the barge in take to deeper water and, therefore, will need extra hoses to accommodate this production. We will likely need the hoses in about two months. He figures the cost will be about \$40,000 for the hoses and another \$20,000 for installation. He noted that these hoses are 30-feet long and 18-inches in diameter and because of their size and rigidity we have nowhere to store them and thus will need to reasonably plan both for their purchase and installation dates. A motion was made to approve and send the proposal for the barge crossbeams and flotation as well as the request for hoses to the Board. The motion was seconded and the Chairman asked for a vote of agreement and there was a full consensus of those present.

The next item on the agenda was the pay application for the 1.0 million gallon Clearwell project to DN Tanks. Mr. Foster said there are no problems with either the pay application or work schedule and hence the payout will go forward to the Board for its approval. He provided the Committee with a progress report along with some very interesting work-site pictures provided by Castleberry Engineering and Consulting, P.L.L.C.

In regards to the W-3 Water Treatment Plant's high-service pump and transmission project located adjacent to the 1.0-million gallon Clearwell tank, the project schedule may be somewhat optimistic according to Mr. Foster. The design submittal called for 60% by October 24, but was only at 50%; however, Mr. Foster said they will try to make up this time and he would do his best to meet the overall schedule.

The last item on the agenda was the S-4 (S-5) Permits. Firstly it was noted that the S-5 Permit is a renewal-only application and will be renewed for ten years. The S-4 Permit, however, is having some technical issues between TCEQ and M.U.D. and we are still working on resolving the water-balance questions. TCEQ reviewed our request for a rate of 4.6 acre-feet/year, but in their opinion they indicated a rate of 4.29 acre-feet/year. We do not feel in our view that this is a valid water balance. Mr. Foster said he believes we are making progress and that he has contacted Mr. Paul Reynolds, an agronomist, to consult with us and confirm a water and storage balance with TCEQ based on our calculated figure.

After completing the Agenda the committee tentatively agreed to meet on November 20, 2014, at 1:30 PM. The meeting was adjourned by the Chairman at 2:40 PM.

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

These minutes approved this 4th day of November, 2014.

Yeas 4, Nays 0, Abstain 0.

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

