

# Engineering and Operations Committee Meeting

## Minutes

**June 21, 2018**

The E&O meeting convened at 1:37 P.M., Thursday, June 21, 2018, 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:

Phil Lanier, *Committee Member (Chairperson)*,  
Earl Foster, *General Manager, Lakeway M.U.D.*,  
Jerry Hietpas, *Board Member and Board Liaison to Committee*,  
Bob Rives, *Committee Member (Secretary)*,  
John Sayre, *Committee Member*,  
Wayne Seime, *Committee Member (Vice Chairperson)*.

Not in attendance:

Paula Crawley, *Committee Member*.

The meeting's agenda had been distributed by e-mail to all committee members on June 20, 2018. The designated agenda for the meeting was:

1. Review Quotes on New Pump for Water Recycling Plant S-4,
2. Zebra Mussel Chemical Feed Update,
3. Discuss OD Wastewater Project Costs,
4. Other Business.

Mr. Lanier called the meeting to order and Mr. Foster began with the introduction of agenda item one. Mr. Foster advised the committee that the Board had approved replacing a seventeen year old, 1,600 pound, 125-hp turbine pump that has an external chlorine corrosion problem. The pump should be replaced in the next six weeks. Additionally, this pump had a leak which has now been sealed. This is one of three recycling pumps at S-4 that are corroded on the outside. Since the plant is near half capacity it only takes one pump to handle the required pumping needs. There is one main pump and the other two are presently redundant. Mr. Foster will, therefore, replace the main pump, then replace a second one next year, and perhaps just let the third pump fail before replacing. Mr. Foster said he will use Smith Pump Co. Inc., of Austin, Texas, based on their bid and our past experience with the company. Smith's bid indicated a total cost of \$24,750.00. In order to avoid future problems with corrosion in the container's vault Mr. Foster is considering adding a blow fan to vent the area. He noted that this corroded

pump is 17-years old and normally the pump would have a life span of 25 years; however, the motor itself was unaffected and will not need to be replaced.

Mr. Foster gave us an update on the Zebra Mussel chemical feeding system. He received an engineer's opinion of probable costs from Walker Partners concerning a proven technique to protect our equipment and pipes from the Zebra Mussel. The system has been successfully used by other MUDs. However, the system's probable cost was estimated at \$431,264 (LMUD's share is 59%)! Just the electrical system is estimated at \$64,000. Four diaphragm metering pumps and a transfer pump are nearly \$67,000. Mr. Foster has reviewed the suggested system and feels there are several things that can be amended or adjusted for our particular need and this would help reduce costs. It is also noted that because of the industry's robust economics these cost are possibly higher than usual for building such a system. In any event we see that the proposed system will be costly and will have to come out of our capital funds. Mr. Foster will have the engineers reexamine procedures thereby reducing costs. Moreover it was noted that the Zebra Mussel contamination is aggressive and is already causing concern at our intake pipes thus requiring immediate attention.

The Out-of-District Wastewater project is underway with Live Oak Golf Course and the Lakeway Airport easement rights studies and surveying.

With no other business the next meeting was slated for Thursday, July 19th, at 1:30 P.M. The meeting was then adjourned at 2:55 P.M.

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

The minutes approved this 26th day of June, 2018.

Yeas\_\_4\_\_, Nays\_\_0\_\_, Abstain\_\_1\_\_.

Robert G. Rives, Secretary, E&O Committee, L.M.U.D.