

# Engineering and Operations Committee Meeting

## Minutes

**August 29, 2019**

The E&O meeting convened at 1:30 P.M., Thursday, August 29, 2019, 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 Chairperson*,  
Earl Foster, *General Manager, Lakeway M.U.D.*,  
Bob Rives, *Committee Member (Secretary)*,  
John Sayre, *Board Member and Board Liaison to Committee*,  
Wayne Seime, *Committee Member (Vice Chairperson)*.

Not in attendance was:

Paula Crawley, *Committee Member*.

The meeting's agenda had been distributed via *BoardBook* to all committee members on August 28, 2019. The designated agenda for the meeting was:

1. Discussion and possible action on recognition of Lakeway MUD by the City of Lakeway's Heritage Center for an historic marker to be placed on LMUD's property,
2. Discussion and possible action on progress of Out-of-District pressure sewer system for the first 17 sections of Lakeway Phase 1,
3. Discussion and possible action on *Boil Water Notice* that was sent out August 4<sup>th</sup> and rescinded August 5<sup>th</sup> on the E-3 pressure plane,
4. Discussion and possible action on the Future Capital Improvement Plan,
5. Other discussions.

Mr. Lanier opened the meeting with Mr. Foster discussing item one. Mr. Foster showed the committee a proposed Lakeway Heritage Center sign to be placed on LMUD property near the main office building at LMUD's cost. Basically the sign acknowledges that historically LMUD was one of the first MUD groups in Texas and the first utility in Lakeway. The sign has already been approved by the Board.

Continuing, Mr. Foster gave an update on the progress of the Out-of-District's sewer system. He showed a number of photographs of the various construction jobs and some of the equipment in use. An unexpected problem was the hauling of the excess dirt and also some of

the clean-up work. He noted that the dried up pond between fairways four and eight was filled using some of the excess dirt. It was noted that the Live Oak golf course is scheduled to reopen on September 15<sup>th</sup>. The bids for the lift station should go out at the end of October. It is estimated that by May, 2020, LMUD should start connecting houses to the completed and pressurized main to the plant via the new lift station at the north end of the airport. Mr. Foster explained he intends to connect the houses to the main line using a special tapping-saddle which connects the houses' pipe to the pressured main without interrupting the sewage flow and not causing a work hazard during installation.

Mr. Foster said that LMUD had to send a *Boil Water Notice* to over 700 customers on Sunday, August 4, 2019. He said that around 4:30 a.m. on Sunday the LMUD operator on call received a low pressure alert on the E-3 tank. Subsequent investigation traced the problem to an input/output card in the computer controlling the pumps for this tank. This resulted in about 30 minutes of low-water pressure for a small percentage of residence in the affected area. Although not life-threatening TCEQ regulations required that this warranted a *Boil Water Notice* to be issued to those affected as a precautionary measure. The problem was quickly fixed and then following the required lab test of the water LMUD was authorized to rescind the *Boil Water Notice* and the system was back in operation by the 5<sup>th</sup> of August. Original notice to water users was by 646 e-mails and as well the available field maintenance personnel during Sunday handed out notices to over 450 individual houses. The next day the rescinded order was issued to customers by robo calls and e-mails. Mr. Foster said LMUD learned a valuable lesson and is now much better prepared by give notice quicker by using additional methods. In the future LMUD will use the civic alert system via the City of Lakeway and perhaps use social media and auto e-mails. Earl Foster, General Manager, has included replacement of the E-3 tank with a 500,000 gallon tank on the LMUD list of future capital improvement projects.

Next Mr. Foster reviewed his *Future Capital Improvement* plan which he had already presented to the Board. His first item was to replace A-Plant with a Trident water-treatment microfloc absorption clarifier along with its housing, plus a recovery tank next to the water plant. Secondly, as mentioned, he wants to replace the elevated storage tank at E-3 with a 500,000 gallon elevated storage tank. The engineers vetted this system and are convinced the new elevated storage tank is the most economical and efficient plan for future needs. With the additional volume the tank can maintain capacity and pressure for a much longer period of time consequently diminishing the necessity of the earlier *Boil Water Notice* sent to E-3 area residences in early August. Next he asked for a hydro system at Eagle, also to replace liners on impoundment ponds I-4, I-5 and I-6 in an appropriate timely order. Furthermore, he asked for an additional storage pond on the west side of the I-5 pond. This would require a swap of land with the City of Lakeway in order to obtain this elevated location juxtaposed to the existing pond. This new pond will be required in order to drain the present I-5 pond so LMUD can replace its liner. The S-5 expansion would involve two phased tank additions. Engineering for this project would be outsourced, with work to begin in the second half of 2020. Due to a problem with vender servicing our 4,500 replacement meters, Mr. Foster would like to replace them with fixed network (an AMR system) meters. Lastly he mentioned that the S-4 area needs to have its asphalt replaced saying the bid is now out after the Board approved the project.

In other business Mr. Foster noted the present employee count along with some of their retirements slated in the future with a succession plan. Additionally, regarding the Zebra mussel problem at Lake Travis, the Zebra control intake system is now in operation using copper sulfate pentahydrate, which is an environmental friendly chemical meeting OSHA and State standards.

The next meeting was tentatively scheduled for Thursday, September 19, 2019, at 1:30 PM. With no other business Mr. Lanier adjourned the meeting at 3:15 PM.

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

The minutes approved this 3<sup>th</sup> day of September, 2019.

Yeas\_\_3\_, Nays\_\_0\_\_.

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