

Engineering and Operations Committee Meeting

Minutes

January 22, 2015

The meeting was convened at 1:30 P.M., Thursday, January 22, 2015, 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:

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

Committee member not present:

Don Walden, *Chairman*.

The meeting's agenda had been distributed to all committee members by e-mail on January 21, 2015. The designated Agenda for the meeting was:

1. Ground Water Well Cost Update,
2. High Service Pump (HSP) Advertisement and Bidding,
3. Update on HDR Engineering for I-4 Under Drain and S-5 Reuse.

An update on cost was received by Mr. Foster from Mr. Joe J. Vickers, PG, of The Wellspec Company, in regard to ground-water drilling cost; however, the committee members felt that his figures were indecisive and required more specific data, most especially from Texas Engineering Solutions. Mr. Foster will pursue this and hopes to get this matter firmed up in the near future.

Agenda item two regarding the HSP and the bidding schedule is on-going. Mr. Foster reported that the first advertisement will be posted in the Lake Travis View on January 22 through 29, 2015. The pre-bid meeting with potential contractors is scheduled for February 3, 2015, with a bid closing date on February 10, 2015. This should allow it to be on the Board's Agenda for February 11, 2015. It is expected that there may be ten-to-twelve bidders. Mr. Foster said there was about \$1.7 to \$2.0mm in the budget but feels that the value of the contract should be less than \$1.7mm. He noted that there is an "alternate bid" (or an additional bid) for a 16-inch above ground pipe to (to replace the existing 12-inch) increase the total production

capacity for the overall system. The 12-inch line has a capacity of 2,800 gpm and the velocity exceeds 10 feet/second; whereas the 16-inch line will have a capacity 3,600 gpm and a velocity of 6 feet/second. As an added note the old rating of the treatment unit was 4 million-gallons per day (MGD) and the new unit is rated at 5.2 MGD. The 16-inch line would be an above ground system which would help reduce the costs substantially. The supplementary bid cost, if reasonable, will determine if the 16-inch pipe is a viable add on.

Mr. Foster indicated that HDR Engineering for the I-4 under-drain should be fairly simple in design. The under-drain would ensure that any imaginable leak of treated effluent would not drain directly into the lake. Basically, what is required is a single automatic pump station connected to the 6-inch discharge pipe from under the tank that would allow such water to be rerouted to a safer place.

The S-5 reuse system proposal is to provide a model study to identify the complete scope of a project that would balance treated water from the East and West sides (along Lakeway Blvd and Lohman's Crossing) by locating a pump station somewhere between to balance the system. Most likely this would require two pumps along with some line work. This model will simply help determine the future system requirements and allowing some projected cost so we can go to the Board with preliminary engineering.

Mr. Foster mentioned that the S-4 Permit was approved by TCEQ. S-4 Permit Notice will be posted in a newspaper on January 29, 2015, for the required 30 day comment period and then comments, if any must be addressed, to get the final signature. There were no changes in the original request.

After completing the Agenda the meeting was adjourned at 3:10 PM.

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

These minutes approved this 26th day of January, 2014.

Yeas 4, Nays 0, Abstain 0.

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