

Eldorado Springs LID Advisory Committee Minutes

July 27, 2017
4390 Eldorado Springs Drive
Boulder, Colorado 80303

The meeting was called to order at approximately 6:40 pm.

Members Present: Kevin Tone, Cathy Proenza, Vija Handley and Jeff Mason

Guests: David Levin and Tom Schubert

Staff: Pete Salas

Approval of Minutes: Vija moved to approve the minutes of the June 29, 2017 meeting. Kevin seconded the motion and it passed with all in favor.

Plant Operations: Tom Schubert gave the operations report stating that it was a pretty uneventful month at the plant. Kevin noted that it was an expensive month and commented about the amount of chemicals used. Tom gave a brief update on chemical use at the plant. Tom noted that the used chemical barrels were picked. He also noted the plant had met its TIN levels as required by permit but things were still somewhat up and down. There were no mechanical issues noted.

Kevin asked about the creation of a document with an overview of what kind of standard operating procedures were being put into place. Tom stated that he and Gabby had started reviewing procedures and that they are working on such a document. Tom cited the issues with the E-One pumps as it relates to cleaning out debris in the pump pits and other steps to try to address collection system issues on a systemic basis.

Jeff asked about chemical use, specifically the 54 gallon magnesium hydroxide use as noted in the invoices and if the amount was a monthly usage. Tom indicated that the amount did not represent a monthly use expectation but the cost was associated with having chemicals on hand. Tom also mentioned that its use is a necessary evil and that this was a temporary issue.

Invoices: Pete referred the group to the invoices provided in the committee packets. It was noted that many of the costs were associated with testing procedures. Jeff noted the cost associated with pump repairs and the need to consider replacement costs as opposed to repair costs.

Budget Update: Pete referred the group to the budget spreadsheet. Pete indicated that he had reviewed the budget and noted that the infrastructure amounts were incorrect due to the chemical costs being attributed to infrastructure rather than chemical budget amount. Jeff asked whether the chemical costs were going to exceed the budgeted amount to which Pete replied that this

would be the case if chemicals were to continue as they currently are. There was a question regarding the amount of reserves on hand. Pete mentioned that it was his understanding that current amount pending the 2016 figures was approximately \$88,000. Pete indicated that between the chemical and pump repair expenses, the budget was going to be tight. There was a brief discussion regarding the cost of chemicals and the need to adjust the process to get a handle on the situation.

Pete mentioned that an ongoing concern was regarding the situation with pump repairs and the need to find out what the problem is. Pete indicated that he had talked with Steve Hansen and that Steve had indicated that there could be a couple of factors that were causing the pumps to fail. Pete said that Steve had said that he would be glad to attend the next meeting to address the issues with the E-One's. It was decided that inviting Steve to the next meeting was a good idea and Pete said he would do so.

UV System Update: Kevin reiterated that the UV system was to address cutting back on chlorine chemical use but that the magnesium hydroxide issue would still be there. Kevin noted that the UV system under consideration, the Enaqua System, was a good system for plant needs.

Pete mentioned that he, Kevin, Mark Ruzzin and the county Purchasing Officer had met to discuss the process for soliciting and choosing a system. It was decided to use the system specifications included in the original Enaqua proposal from 2014 as the basis for any new solicitations. Pete mentioned the vendors that were contacted and invited to submit proposals. Pete mentioned that Enaqua had submitted the lowest bid of approximately \$18,000. It was decided to pursue the purchase of the Enaqua system pending further discussions with the State regarding amending the permit requirements. The issue of redundancy came up and Kevin indicated that the current system could be on standby in the event the UV system should fail for some reason.

At this point Jeff asked if Kevin could use the white board to sketch out what installation of a system might look like on site. Kevin drew what the current system looks like and how it works. Kevin then graphically depicted what the addition to the plant building might look like, where the system would be placed and the flow path of the wastewater. Kevin explained how the UV system would work and that the effectiveness of this type of system is proven and accepted. Kevin also noted that with this system, there would be no fish kill.

Pete noted that in addition to the UV system, the other expenses involved would be regarding the construction of the addition to the current plant building. Kevin mentioned the process that had been discussed with Pete and the Purchasing Office relative to soliciting bids for the building addition. Kevin noted that the cost shouldn't be too high since the foundation is already in place which would eliminate foundation construction as a cost factor.

Vija asked what the estimate for cost savings of the UV system might be. Tom mentioned that the cost of chemicals, with the exception of the magnesium hydroxide, would be eliminated. Jeff

suggested that Bev in Finance do an analysis of the cost of specific chemicals. Pete noted that an analysis of the payback period could be provided. Kevin noted that some of the savings would be somewhat offset by the periodic cost of UV bulbs. Jeff mentioned that it would be nice to have the data and be able to show. It was also noted that the system is environmentally the right thing to do. There was a discussion regarding the payback period and the need to have a UV system.

Kevin mentioned that he wanted to get buy-in from the group before he goes forward and starts working with the State on the permitting and doing the engineering work which he will be providing on a in-kind basis. Kevin mentioned the other alternative of installing a below ground vault as opposed to housing the unit in an addition to the building. There was a brief discussion regarding the practical operation of the system in terms of access and other aspects.

Kevin closed the discussion by saying that he would proceed with a basic installation drawing and working with the State on the documentation required. Kevin noted that he had already initiated discussions with the engineer at the state. Kevin asked if a vote of the group would be appropriate. Pete indicated the he thought that a motion would to proceed would be very appropriate. Jeff moved that the staff proceed with purchase order of the Enaqua UV system and documentation with the state regarding approval of the system and Vija seconded the motion. Cathy arrived during the discussion and all voted in favor of the motion.

Pete mentioned that he had a brief discussion with the county Land Use staff who indicated that a simple modification of the current permit was all that would be required given the proposed plan for the UV installation. There was some additional discussion regarding the building addition and the space utilization for chemical storage and movement of staff.

Other Business:

- Plant Property Issues Jeff asked about the issue with people hanging out at the plant and in particular the suggestion for considering a new gate lock or limiting access. Pete mentioned that he discussed the issue with the Sheriff's Office and that they had agreed to provide an extra patrol at the plant and that they were very receptive to having residents call if they noticed suspicious activity. Pete mentioned that he was going to talk to county facilities about some new signage at the plant gate indicating that it was private property with no unauthorized vehicles allowed. It was decided that this would be a good approach for now.
- 156 Eldorado Springs Dr. Remodel – Vija noted for the record that a remodeling of the property at 156 Eldorado Springs Dr. was occurring and that due to an oversight at the time of the original assessment a PIF was not required. Vija noted and Pete affirmed that the property was originally assessed at 1.25 EQR when it should have been assessed at 1.0 EQR. As a result, the remodel addition will still be in compliance and a PIF will not be required.

Public Comment: David gave a brief update regarding the flow meters and the data he had collected to-date. There was a brief discussion regarding the flow data and the need to continue for the foreseeable future. There was then a discussion regarding the data being collected regarding the pumps and how the info would be used going forward.

There was no further public comment and the meeting was adjourned at 8:02 pm