

## **Eldorado Springs LID Advisory Committee Minutes**

October 21, 2021

TEAMS Video Conference Meeting

**Members Present:** David Levin, Mary Smith, Janet Gray, Kevin Tone

**Guests:** Stephen Sangdhal, Scott Lehman, Gabrielle Begeman

**County Staff:** Jon Adam

**Approval of Minutes:** The September meeting minutes were approved by the committee.

### **ORC Ops Report**

A new effluent pump and mix motor was recently installed at the wastewater plant. The installation of the Dissolved Oxygen (DO) control unit was finalized by Fluidyne and is already showing greatly improved Total Inorganic Nitrogen (TIN) results after one and a half weeks of operation. The September monthly average TIN was above 10mg/L during the DO unit installation. Fluidyne made additional improvements to the wastewater plant while calibrating the DO unit which should greatly improve the treatment process. Fluidyne will be able to provide technical assistance for the future installation of the underground digester. No residential grinder pumps were replaced in September.

CDPHE will likely impose stricter effluent limits on arsenic and copper in the new operating permit which will be renewed next year. Copper in wastewater primarily comes from plumbing as a result of aggressive water chemistry in the drinking water supply. Arsenic primarily comes from the drinking water source. Copper and arsenic in wastewater is best managed at the drinking water source and will require working closely with Eldorado Artesian Springwater (EAS), Inc to help mitigate the issue. EAS is currently working on mitigating arsenic.

### **Invoices and Budget**

A \$960 credit from ORC Water Professionals from an invoicing error last June was applied to the September invoice. Maintenance and labor reflected the costs to replace the effluent pump and mixer as well as work performed by ORC to install the DO control unit prior to Fluidyne's arrival. A suggestion was made to include slide rails for the plant's two effluent pumps in the ARPA funding request.

Monthly charges from Xcel for wastewater plant electricity usage have increased roughly \$200 since July. The electricity usage increase at the wastewater plant was due to running both feed pumps and increased run time of the UV disinfection unit during those months. Now that the DO control unit has been installed, we should see a drop in electrical usage at the plant

since there is no longer a need to run both feeder pumps and for the increased UV system run time.

## **New/Old Business**

### EAS Ballroom Infrastructure Review

The committee recommended using the same 2 pump quad unit that was recommended for the pool based on plumbing fixture counts and projected flow from the ballroom project. The benefit being that the spare quad unit could be used for the pool and the ballroom.

The committee recommended the same manhole and flow meter with no sampling tube for the Ballroom project as well. A traffic rated manhole lid will be dependent on the location of the manhole and will be left to EAS's design team to make that determination.

The choice between using a portable sampling unit versus two fixed sampling units for the pool and ballroom was revisited from the pool infrastructure discussion. The committee concluded that the portable unit is the better option as the unit can be used for both the pool and the ballroom and that the portable sampler would be used only when there was a concern. The portable sampler will cost about \$3,000, will be purchased by ORC and be given to the District per the EAS MOU agreement.

### WWTF Operating Permit Renewal

The current operating permit requires an effluent mixing zone analysis which will be conducted by Wright Water Engineers, Inc. in November or early December.

### Public Comment

Jon read a comment provided by Scott Lehman in an email as he was unable to stay on until the end of the meeting. The comment is as follows;

"Apparently Open Space will be brought in to cut back the Sib Elm that has, as anticipated, regrown since summer 2020. If at all possible, I would like to be on hand for any cutting between our place and the gate, to help avoid injury to or cutting of close-by natives. The other sensitive location is the area of the rock reef N and E of the gate where sib elm is nestled amongst important natives. The job of re-cutting in all areas is made more difficult by re-growth, which results in a wider brushy mass close to the ground (vs. the original well-defined "trunk").

Not sure if you plan to poison stumps w/ concentrated Epsom salt solution as might have been done last year, or if that is inconsistent with PJM protections in the area. This method is widely deemed safe and preferable to stump grinding for smaller root balls, since it does not create a broad disturbance that will encourage invasive weeds (as would be the case when grinding)."

The committee agreed with Scott's statement. There is still a contract with Urban Woods who removed the Siberian elms around the wastewater plant as an additional option if needed.

The meeting adjourned at 7:58 pm.