

Eldorado Springs LID Advisory Committee Minutes

November 18, 2021

TEAMS Video Conference Meeting

Members Present: David Levin, Mary Smith, Janet Gray, Cathy Proenza

Guests: Gabrielle Begeman, Stephen Sangdahl

County Staff: Jon Adam, Darla Arians

Approval of Minutes: October meeting minutes were approved by the committee.

ORC Ops Report

Six residential E-One grinder pumps were replaced since the October ESLAC meeting. Four residential grinder pump replacements were all routine and lasted their normal lifespans, and two of the replacements were at 52 Artesian. The grinder pump installed at 52 Artesian had alarmed but the alarm has stopped. Ambient H2O came to out to inspect the grinder pump, but no problems were found, so an hour counter was installed, and they will continue to monitor.

A suggestion was made to consider replacing all critical grinder pump parts every time a pump is removed. The plant operator refers to the discretion of Ambient who repairs the pumps. County staff will consult with Ambient and generate a cost estimate to replace all critical pump parts for the December meeting.

The WWTF has had high levels of organic material (BOD and TSS) and TIN since the installation of the Dissolved Oxygen (DO) control unit. The high levels were due to the system adjusting to the recently installed DO control unit and the associated adjustments made by Fluidyne. ORC is working with Fluidyne to fine-tune the DO control unit programming.

A sludge haul will be scheduled for late November or early December. County staff will send an announcement to the community listserv to notify everyone that there is a sludge haul scheduled.

The State may lower the permitted limits on copper and arsenic in effluent, which could raise the cost of wastewater treatment. Current copper levels could be a result of aggressive (corrosive) drinking water leaching copper from plumbing. ORC will conduct a Langelier test of drinking water in Eldorado Springs and will cover the cost, which is \$50, and will report back at the December meeting.

Invoices and Budget

The ORC invoice for October was higher than average due to the replacement of a mixer, an effluent pump and work associated with the installation of the DO control unit.

The second payment to Fluidyne was made on the DO control unit in October. The final payment was just made in November and will show up in the December financial report.

In review of the financial statement, maintenance costs billed by ORC were higher this year due to the vandalism, the bacteria die off in the Spring and the installation of the DO Control unit. Now that the DO control unit has been installed the monthly Xcel electricity usage bill for the WWTF has returned to pre-summer levels as both feed pumps aren't being used concurrently and the UV disinfection isn't operating for as many hours. The LID also incurred costs from Wright Water Engineers (WWE) for the Alternatives Analysis and Permit Modification. WWE will also be charging the LID for a Mixing Zone Threshold Analysis in December, which is required by the operating permit.

New/Old Business

Rules and Regulations

A request was made to change the language in the Commercial Classification table in section 6.3.B. of the Rules and Regulations to clarify that commercial wastewater EQRs would be calculated at a minimum of 1.25 and could be higher based on a review of actual wastewater usage. Changes in commercial wastewater use could be determined by self-reporting, new construction or by District monitoring. County staff will bring the change in the language forward for BOCC approval.

The committee asked County staff to review the actual EQR's assigned for the Art Center property for the December meeting to determine if monitoring is recommended.

Mixing Zone Threshold Analysis

The operating permit requires a Mixing Zone Threshold Analysis be completed by mid-December during the low flow season. WWE will be conducting the stream study portion of the analysis on Friday, December 3rd. The stream study will be conducted from the effluent outfall into the South Boulder Creek and further downstream. The range in cost for the analysis will be between \$5,000 and \$15,000.

Public Comment

There were no public comments

The meeting adjourned at 7:47 pm.