

Eldorado Springs LID Advisory Committee Minutes

February 24, 2022

TEAMS Video Conference Meeting

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

Guests: Gabrielle Begeman

County Staff: Jon Adam

Approval of Minutes: December 2021 meeting minutes were approved by the committee.

ORC Ops Report

The January monthly average TIN was below 10 mg/L, but February was back to 11.5 mg/L. ORC is continuously working with Fluidyne to further adjust the wastewater plant's system to meet the permitted TIN limit. Though the facility has failed to meet the monthly average TIN limit since installation, except for January, the new Dissolved Oxygen control unit does provide much better data of the treatment process which can still be used if the operator reverts to the previous method of controlling dissolved oxygen before installing the DO control unit. The state did submit two letters of violation for the TIN levels prior to January 2022. ORC has written response letters to the violations which include descriptions of attempts being made to improve the system which should keep the state from issuing fines. Additional options, like an underground digester as well as carbon and alkalinity sourcing could help lower the TIN levels.

Discussion continued with questions and answers relating to the treatment process, testing procedures and the capabilities of the plant as designed in relation to the current conditions. The operator will continue to analyze the entire treatment process and welcomes any input from members of the committee on ways to tackle the TIN levels. It is clear there are still options to try and that there may someday need to be some investment required to ensure the plant can continue to handle the current conditions and future regulatory requirements. County staff will inquire with Wright Water Engineers about having the TIN limit increased in the permit if needed.

Effluent pump 2 has failed and will need to be replaced or repaired. The plant operator requested a slide rail system or another quick removal system to help with the change out process in the future. County staff stated that a slide rail system was added to the ARPA funding request.

The plant had no power during the Marshall fire and it was very clear the backup generator didn't have the power to run the system. A new backup generator is also included in the ARPA funding request. Past electrical analyses confirmed that the backup generator is underpowered for the plant's needs.

The control panel for the grinder pump at 52 Artesian was replaced today and a grinder pump at 147 Baldwin was replaced for the first time at that address. David suggested the backflow preventor should be checked next if the control panel replacement doesn't fix the problem at 52 Artesian. Cathy noticed that the operating light was on at the 52 Artesian grinder pump for at least a half hour before the meeting this evening.

Invoices and Budget

The ORC invoice was small and only included the replacement of a lead acid battery for the auto dialer. County staff has not heard from Ambiente whether they trade pumps with other customers as the plant operator has noted happening occasionally.

County staff shared the monthly budget to actual including some small changes to the budget to actual spreadsheet from last year. McDonald Farms hasn't yet sent an invoice for the December sludge haul.

New/Old Business

Permit Renewal Update

County staff shared a letter from the State explaining the current permit is under administrative extension and that the timing for the permit renewal is not known. The State hasn't provided an update on the stream gage installation.

Residential E one pump maintenance

Ambiente provided a full parts replacement list for the two types of residential E One pumps being used by the LID. Ambiente highlighted the most replaced parts including the time to replace each part. It was noted that the highlighted parts didn't seem to correlate well with what the parts that get replaced in the LID pumps. The committee asked that County staff create a spreadsheet of parts replaced from past Ambiente invoices to compare to the list provided in order to make a better decision about which parts to replace in the future. Staff agreed to make the spreadsheet for the next meeting.

ARPA Funding Update

The County ARPA funding committee is in the process of evaluating the current funding requests and they should have decisions for the Board of County Commissioners by May of this year.

Public Comment

There were no public comments

The meeting adjourned at 8:24 pm.