

January 2023 Director Questions - Siegfried

p. 24: Ck#3867; what's the remaining life of the furnace?

Foley- The furnace is at the end of life and the controller failed. The replacement control board was a universal model. The enclosure itself is deteriorating and a new unit, more efficient unit is in the budget request for FY 23-24.

Are the more highly rated filters affecting heater furnace?

Foley- No, the furnaces are running with no issues this was a failure due to age.

p. 27: Ck#791; CAWD is the vendor. Please explain how this works.

CAWD purchases the sodium bisulfite. Staff monitors usage. Grover than bills Reclamation for their share.

p. 64: Please relate the SSOs on Guadalupe and Santa Fe to when those line were last treated with root foaming 'cide.

Both line segments are not on the root treatment routes. This is the first time either of these line segments have overflowed. Cleaning crews have not noted roots as an observation while cleaning that is why they not on the foaming schedule. The plan is to add them to the future schedule.

P 73: May we have an annual time series of the proportion of causes of spill as "Roots"? Please mark the inception of the root foaming program. Perhaps a gallonage basis might be the useful metric, since SSOs vary in number. Whatever makes sense.

Yes, I'll have Daryl prepare

P. 76: My first impression of the eyewash station upgrades was extremely favorable. Then, I began to wonder why an employee would be working alone at a task which could be hazardous to sight. Please supply the reasoning.

Foley- When accepting deliveries or high-risk activities a second person is assigned to the task. There are many daily routine tasks that take place such as performing equipment inspections or process control adjustments that only one person is assigned. Also, in the shop and collections area, staff may be working solo and get shavings/debris in the eye and require eyewash station.

p. 111: The description of the permit violation event gives me the impression the feed pump spontaneously reversed. What turned out to be the cause?

Foley- After contacting the vendor it was determined that there was a bad batch of pumps and the manufacturing issue was corrected.

p. 118: Please relate in tedious, excruciating detail how CAWD tracks and recovers costs for these

annexations.

“...tedious, excruciating detail...” Seriously?!

Costs are monitored via the general ledger. Any expense paid out flows through the Annexation general ledger account. Engineer’s time is accounted for by the Engineer and noted on their time sheet. When the project is complete we divide the number of parcels by total costs to come up with fee. In some cases, like Carmel Valley Manor, we anticipate that recovery will take many years before full reimbursement.

January 2023 Director Questions – Rachel

Considering the unprecedented Atmospheric River Events of December-January, Congratulations and Thank You to your entire CAWD Organization for all they did around the clock to keep the system running smoothly. In view of all that happened, can you provide some bullet point highlights such as handing up to 10 million gallons per day?

- Used a collaborative approach. Everyone's perspective matters.
- The redundant treatment plant standby power worked flawlessly. The treatment plant and portable generators were all load tested in December, so the standby resources were well prepared.
- The influent and effluent pump stations handled the flow well and the secondary effluent diversion structure gate that diverts water between the reclamation system and effluent wet well was raised to allow more flow to the effluent wet well from the contact channels.
- Extra staff were placed on-call so the resources were available throughout the week to operate and maintain the excess flow and respond to power outages.
- Staff worked very hard during these events. Not just physically but also had great suggestions.
- Moving the collections emergency equipment away from the treatment plant, staging equipment on Rio Rd. then as water rose in the evening relocating to Prim's parking lot.
- The installation of watertight manhole frame and lids in the Lagoon area and in Mission Fields over the past few years helped keep rising water out of the collection system.

Section 11, p, 66 - 72. Congratulations on the many accomplishments listed in the Collections Annual Report, such as cleaning the entire system in 8+ months, meeting the River Watch requirements ahead of the requirement date, and zero work hours lost.

Thank you. Mr. Lauer & his crew do a great job.

Section 18, p. 114. The 65kW microprocessor as I recall is relatively young in its service life. Has it been overly problematic or is it the application?

Foley - The unit has been online since 2019. The initial integration with the new waste gas burner was challenging but once it was completed the 65 kW microturbine has been very reliable. The gas chiller and gas compressor were both at the end of their life and have been replaced. I queried the CMMS and this is the first instance the actual 65kW microturbine had an issue so it has been very reliable and now that the support systems have been upgraded the overall system is reliable.

Section 24, p. 164 - 165. Will upsizing the pipe between Q640 and R622 have any positive impact on the FOG bottleneck upstream at Camino Real and 12th Avenue?

Lauer- Unfortunately not. Upsizing the pipe in the segment you are talking about will correct the capacity issue there is now. Currently there are two 12" sewer lines combining into one 12" sewer line flowing above capacity.