

TCSD CPO Monthly Operation/Maintenance Report

October 2024

General Plant Operation/Maintenance

- Daily plant maintenance/housekeeping
- Daily/Monthly/Semi-Annual sampling and reporting
- Data collecting/recording /reporting
- SCADA monitoring
- Compliance enforcement
- Scheduling
- Equipment cleaning/maintenance/calibrating
- Exercise equipment/valves
- SSO prevention
- Safety enforcement/prevention is performed daily through a facility safety walk and regular inspections.

Safety Report

- No safety accidents or near misses
- A safety pamphlet on Grinder Safety was reviewed by staff on October 16th.
- A fire inspection took place on October 28th. A portion of our fire system was found to have never been inspected by staff nor the fire department, and thus had dead backup batteries. This was never thought of because the plant is never without power due to our backup generator and all other battery powered fire related devices are limited to emergency lighting. The only time this unit would be without power is during the short time span for the backup generator to turn on (about 10 seconds) or if the disconnect power switch to the Office was turned off.

Call out/Plug up/Spill/Collection System

Multiple USAN line location and markings were performed.
High school private lateral and outfall line is checked regularly.

- A call-out occurred on October 14th to 18449 Elm Street during normal working hours. The issue was found to be the homeowners to correct. Staff usually try to assist homeowners within reason, however, there was no readily available access point into the privet sewer system and thus the homeowner was advised to call a plumber.

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- Following the completion of the East Bay Alley improvements, staff noticed areas that were missing asphalt that should have been paved. There are also two small potholes in the area made by the District which are covered with cold patch. The District is in the process of negotiating with Mozingo where the District will do the demo and prep work and Mozingo will add the hot mix, including our cold patch covered potholes.

Plant Operations

Additional activity performed at the Plant, above and beyond daily general operations and maintenance

- Operational staff have worked on improving a drainage issue on the northern side of the WWTP fencing perimeter. In the winter of 2022, large volumes of runoff clogged the cyclone fence in a drainage before the water was able to reach a drop inlet storm drain system. The dammed water pushed the fencing over causing damage. The District has been approved for FEMA funding for repairs only and no mitigation. Staff took it upon themselves to design and fabricate a sliding cyclone fencing lift gate to allow runoff onto the WWTP while still maintaining a secure perimeter. All metal fabrication has been completed and we are now waiting on Alderson Fencing to come in and complete their portion. There is zero impact to the existing fiscal budget due to staff completing the East Bay Alley improvement at a fraction of what that was budget for that project.
- All electrical work for Phase-II of the WWTP improvements has been completed with the exception of some minor punch list items. Concrete paving and outfall pipe replacement still remain and are expected to resume mid-November.
- The two earthen lined ponds in the WWTP have a connecting pipe between the two ponds. Access into the lower pond (formerly known as the Polishing Pond) had a very steep access point. The steepness of the access was due to the short length of the connecting pipe. Staff extended this pipe to lessen the steepness of access into the lower pond.
- Using funds out of the *Miscellaneous Projects* category of the budget, staff with the assistance of John Fariani filled in an unpaved section between our two concrete lined lagoons. The pour took 14-yards of concrete and required a concrete pump. This is minor improvement to the WWTP with aesthetic and functional benefits.
- It was reported to you last month that the High School booster pump house sprung a major leak immediately following a pump replacement. Water pouring out of the pumphouse eroded much of the surrounding area that staff made improvements to about four years prior. The runoff silted in a french drain system on two sides of the pumphouse. I have been pressing the high school to

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correct this and have received confirmation of their plans to make the repairs beginning November 4th. If nothing is done, there is potential of the shop flooding through the eastern side door.

- One of the new sludge pumps from the last phase of WWTP improvements had faulted out due to high temperature. The pump was found to have overheated, which should have been prevented due to built-in protection devices. The pump was pulled and sent in for repairs under warranty.
- Staff constructed a retaining wall around an eroding embankment where a groundwater monitoring well was installed. Split faced stackable retaining wall blocks were used and some concrete work is still needed around the ends of the wall.

Apply Colony Lift Station

- Daily Apple Colony lift station inspections performed as required by SDRMA
- The Apple Colony Lift Station was cleaned on October 17th.

Bakers Reservoir and Dam/Outfall line

- Freeboard was roughly at 29.8 ft. as of October 31st.
- Reservoir pH is no longer exceeding the 9.0 limitation as of October 25th.
- The two-year study into elevated pH by Carollo Engineers is completed. Carollo now has until May to give the District a final report, which we plan to submit to the Regional Valley Waterboard's Office.

End of Report

Ben Kikugawa, Chief Plant Operator

October 31, 2024