

TCSD CPO Monthly Operation/Maintenance Report July 2022

General Plant Operation/Maintenance

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

Safety Report

- No safety accidents or near misses.

Call out/Plug up/Spill/Collection System

- A call-out occurred on July 11th to the WWTP during non-normal working hours. The alarm was for a power outage. A power outage actually results in two call-outs; one for each power transfer. This has been the case since the SCADA server has been down and staff having to rely on an old alarm notification system that does not inform the operator of specific active alarms.

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

Plant Operations

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

- Back in March the Plant Drain Well experienced a failure causing it to overflow to an overflow pond. During this event the WAS meter vault also flooded due to a drain pipe connected to the Plant Drain Well. This caused water to enter the extended bonnet (shaft connecting an actuator to

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a valve) where it slowly rusted the shaft preventing it from opening all the way. The flooding also submerged a flow meter that is water resistant but not water proof. Staff took the extended bonnet apart and restored back to working condition. Then the meter was opened up to dry out and a desiccant pouch was placed inside the meter's electrical housing. To ensure the problem does not occur again, staff installed a check-valve in the vault drain so that the vault can still but water can no longer back up.

- Clarifier-2 was drained and inspected as part of its two year inspection schedule. No issues were found.
- Annual Backflow testing took place on July 15th. All four backflow devices passed.
- The sludge removal project has been delayed due to issues with Synagro's equipment. The project was supposed to start August 1st and will now begin on August 22nd.

Apply Colony Lift Station

- Daily Apple Colony lift station inspections performed as required by SDRMA.

Bakers Reservoir and Dam/Outfall line

- Freeboard is roughly at 16 ft.
- A replacement actuator arm was installed on the middle access gate at Baker Ranch. Staff planned to return the next day to install electrical fencing wire on the gate to deter the horses from pushing their way through the gate and causing damage again. By the time staff arrived the next day the horses had already broke the replacement actuator arm. Staff was able to rebuild the arm using the two broken actuators. Electrical fencing has been installed but it is unknown if it's effective due to John Baker wanting to leave the gate open for now.
- A cite visit by Carollo Engineers occurred on July 29th in initiating the Reservoir pH study. Towards the end of July pH was observed to be just under the limitation level. In the beginning of August, pH exceeded its limitation and will be discussed more thoroughly in next month's Staff Report.

Ben Kikugawa, Chief Plant Operator

August 4, 2022