

TCSD CPO Monthly Operation/Maintenance Report

March - April 2023

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 regular inspections.

Safety Report

- No safety accidents or near misses.
- Staff purchased a Hazardous Material Spill Kit and were trained on proper procedures cleaning up infectious material. The SDS on the contents of the spill kit have been filed in the SDS binder.
- Staff were given annual refresher training on pesticide use.
- A windsock has been installed at the WWTP for operators to monitor wind speed when applying pesticides.

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.

- Staff continuously assist Mozingo with lateral locations and other issues encountered constructing the new sewer system.
- Call-out to 18624 Madrone occurred on March 6th during normal working hours. A plumber cleared the blockage.
- Call-out to 18449 Madrone occurred on March 27th during normal working hours. Staff flushed segments W68 and W76.

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- Called into the WWTP on March 31st during non-normal working hours for a power loss alarm. Called in again for the same alarm the next day due to alarm not resetting.
- Call-out to 18481 Carter St. on April 26 during normal working hours. The issue was determined to be the customer's responsibility.
- Call-out to 18508 Madrone occurred on April 26th during normal working hours. The issue was determined to be the customer's responsibility.
- Staff were called out by the Fire Department to assist with a clogged pond drain pipe off Laurel Ave. The blockage could not be alleviated with the District's big jetter.

Plant Operations

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

- Winter storm damage was caused to the northern perimeter fence where a drainage channel flows through the fence, certain gutters on various buildings, and the entrance gate fencing. JMK Roofing and Alderson Fencing were called for repair estimations. The damage was documented and submitted to FEMA for repair reimbursement along with the estimates.
- A noisy utility box lid located in the WWTP driveway was replaced with a traffic rated one and seemingly quiet when driving over. Staff recessed another utility box lid to sit flush with the surrounding driveway to reduce hazards needing to be avoided when snow plowing.
- An unusual power outage occurring on March 31 caused a surge that fried a circuit board in the automated sludge valve. Most of the Office exterior light bulbs are blown and believed to have been caused from the surge.
- Foothill Septic picked up a total of roughly 6,000 gallons of sludge in the past two months.

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Apply Colony Lift Station

- Daily Apple Colony lift station inspections performed as required by SDRMA.
- Staff are experimenting with a new degreaser enzyme called GreaseX. It is too soon to tell its effectiveness.

Bakers Reservoir and Dam/Outfall line

- Freeboard is roughly at 3.3 ft. as of May 1st.
- Multiple clogged culverts from severe weather events were cleared by staff. Minor erosion of access dirt roads were rehabilitated. A large tree had also fallen across the runoff ditch that has been removed.
- The accuracy of staff gauges in relationship to the spillway crest were in question. Staff found the laser level to be off by a foot over 100 feet span. Staff then used a surveyor grade differential GPS system to determine spillway crest and cleat elevation. The two were found to be spot on within a centimeter of each other.
- The reservoir level went above two-feet freeboard. When this happens we are required to report it to the State, which was done on March 29th.
- Staff had asked John Baker to initiate early irrigation with remaining reservoir capacity in question. When Baker irrigated to the Flood Field he was accidentally, and partially irrigating to a creek water diversion ditch that flowed back to Turnback Creek. This constitutes as a spill and had to be reported. The spill volume was estimated to be between roughly 6,000 and 12,000 gallons.
- Annual Dam Inspection took place on April 27th. The inspector said it was the best looking dam

End of Report

Ben Kikugawa, Chief Plant Operator

April 1, 2023