

TCSD CPO Monthly Operation/Maintenance Report December 2021

General Plant Operation/Maintenance

- Daily plant maintenance/housekeeping
- Daily/Monthly/Quarterly sampling and reporting
- Data collecting/recording /reporting
- Computer 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.
- Monthly fire extinguisher and eyewash station checks performed.
- Online safety course on Fire Extinguishers.

Call out/Plug up/Spill/Collection System

- A site walk-through site visit of the collection system project area was given to engineers and Construction Management on December 6th.
- A great amount of time has been given to collecting private lateral data, reviewing updated plansets, and giving feedback on the collection system (Carter Basin) design. These efforts uncovered a more complex private lateral system belonging to the Christian School and also solved the Revive Café lateral route mystery. These and similar private sewer infrastructures are likely 70+ years of age and have long been forgotten not just by the District but, private owners as well.
- A callout occurred to the WWTP during after normal working hours for a No Blower Running alarm. This was due to Blower-1 being out of service and the system thinking that blower is still on the Blower rotation. Staff believed they made changes to the system to prevent this from occurring but were mistaken. Due to limited control of the program staff cannot test or simulate automated

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blower rotation sequence. The good news is we have learned more about the system and how to prevent these types of call-outs in the future.

- Multiple callouts occurred from December 23 – 25 to the WWTP for high-flow related alarms. Improvements to the system have been recommended to address high-flow issues.

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

Plant Operations

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

- Blower-1 is still undergoing repairs with no expected return date.
- A master Capital Improvement Plan (CIP) list has been created by staff on recommended improvements for the WWTP.
- We experience two major weather events in December with the first occurring on 12/13 and, the other beginning on 12/23 and still in progress at the time of this writing. Every effort was made to prep the WWTP for the storms, however the latter storm was so severe that multiple callouts to the plant occurred.

Apply Colony Lift Station

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

Bakers Reservoir and Dam/Outfall line

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- Last month the reservoir pH was out of compliance again but returned back to compliance levels at the beginning of December.
- The end of the month storm raised the reservoir level by two feet in a weeks' time. The freeboard at the time of this writing was approximately 18 ft. The freeboard schedule for January 1st is 12 ft. meaning there is plenty of storage capacity remaining.

Special notes:

- **TCSD staff continuously works to avoid any unnecessary overtime.**

December 28, 2021

Ben Kikugawa