

TCSD CPO Monthly Operation/Maintenance Report

January 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/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 had a safety meeting with the topic of Managing Driver Risk

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 to 18548 Madrone St. occurred on January 13th during non-normal working hours. This is a combined private lateral system connecting multiple homes. This system has a property line manhole in place before connecting to the sewer main in Madrone St. The responding operator cleared roots approximately two-feet up stream from the manhole.
- A call-out to 18544 Carter St. occurred on January 16th during normal working hours. It is believed a propane deliver truck broke a shallow lateral when driving the alley. The customer made the repairs.
- A call-out to 18833 Birch St. also occurred on January 16th during normal working hours. The customer reported their garage/rental is no longer flowing following the WWCS project.
- A lateral belonging to a garage/rental was missed when rerouting a lateral to a home on the same property. The rental lateral connected to the house lateral outside of the property. The tie in point

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to our old mainline was disconnected during the WWCS Project, rendering the rental without sewer service. Staff was able to install a utility box upside-down in a pit next to the disconnected lateral and placed a submersible semi-trash pump as a temporary fix. Staff had the pump discharge into the house's new lateral. Mozingo came back to reroute the rental lateral, tying onto the active house lateral.

- A sunken trench was found in what is referred to as the East Bay Alley, between Carter St. and Madrone St. The trench was found to be super saturated, which caused a propane deliver truck to sink almost 18 inches into the filled trench. Mozingo was called out to investigate the cause and began potholing the area. Initial findings uncovered a downspout drain system dead-ending below ground, next to the trench. However, a geo-tech from Condor stated the drainage system alone would not be enough to cause the level of saturation observed at the depths and lengths excavated. It is their opinion there is another source of water infiltration. Looking at construction photos revealed the trench was saturated during initial trenching. The biggest concern is how far out into Bay Avenue does saturated backfill material exists, and will it cause the road to collapse from the soft substrate. Engineering, Construction Management, and Condor are all looking into this. The pits have been backfilled, trench plated, and bermed around for the time being. The downspout drain system has been rerouted out of the pit in attempt to limit further saturation. So far, this seems to be an isolated incident.

Plant Operations

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

- Last month, your Board complained of sewer odors at, and around, the WWTP. Inspection of nearby manholes on Oak St. and Box Factory Rd. uncovered no odor issues. The odors were found to only be detected in the early morning and evening hours. This occurs due to the change in wind direction corresponding with sunrise and sunset. This understanding made us focus our efforts in the Westside property, upcanyon of the WWTP. While there, staff ran into Tribal workers who stated the odors were coming from the recently filled Log Pond after years of being empty. Decomposing vegetative matter can have similar sewer odors under the right conditions.
- Last month, it was reported the District had hired a CCTV pipe inspection company to use new laser technology to profile the effluent outfall pipe inside the WWTP. The profile revealed a 40-foot long belly in the lower section of the paved driveway. In order to reconstruct this section, staff and engineering agreed to pothole potential utilities conflicts that would need to be crossed. Staff cut

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through the concrete driveway to reveal the substrate. Mozingo was hire and perform potholing using a ditch-witch potholing equipment. Surveyors arrived the next day to take top and bottom elevation shots of the slurried electrical chases and other key locations. Engineering is reviewing the survey data to come up with a solution to prevent the WWTP from backing up during high flows.

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 13.0 ft. as of January 30th.
- The irrigation pump was found to have water contamination in the oil near the end of last year's irrigation season. The pump was serviced with new seals, bearings, and sleeves. Staff is waiting for a break in the weather to reinstall the pump.

Administrative Activities/Reports Submitted

- 2nd Semi-Annual Groundwater Report
- December Monthly Self-Monitoring Report
- 2023 Annual Self-Monitoring Report
- BPTC Evaluation on Salinity and Nitrogen Reduction
- WWCS Record Drawings Reviewed and Approved
- WWTP Phase-II 60% Improvement Drawings, Specifications, and Contract Docs reviewed.
- Renewed CARB Low Use Exemption
- Updated Multi-Jurisdictional Hazard Mitigation Plan (MJHMP) has been submitted to the County OES for review. The Plan will be presented to you in March or April for adoption.

End of Report

Ben Kikugawa, Chief Plant Operator

February 1, 2024