

TCSD CPO Monthly Operation/Maintenance Report

March 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
- All three operators took an online course on Welding Safety.

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 18508 Madrone St. occurred on March 15th during normal working hours. New homeowner was not made aware of known issues with the non-District maintained combined private sewer system servicing this block. Customer was informed to call a plumber.
- A call-out to 18303 Maple Ave. occurred on March 22nd during normal working hours. This is a known issue where root intrusion infiltrates the private sewer lateral connection near the mainline. The customer does not have an approved lateral, meaning the responsibility would typically be theirs to correct; however, because the mainline is located on private property, the customer's responsibility ends at the beginning of the District easement. Staff cleared the blockage and applied Root-X. This is located on Tribal-owned property off of Oak Street.
- Condor has submitted their comments to Blackwater's design clarification for the East Bay Alley sunken trench. Blackwater is in the process of incorporating those comments in to their design.

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- Former General Manager, Dave Andres, and staff attended the County's Annual Joint Utility meeting. The District informed the County of problematic storm systems causing settling issues on one of our paved-over trenches on Main Street that will not be covered under any warranty claim.

Plant Operations

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

- The skimmer valve is responsible for controlling flow to the Plant Drain Well from the clarifiers' surface skimmers, and is located next to the Drain Well under the concrete driveway. The operating nut, which is what operators turn to operate the valve, became detached from the valve's gearbox shaft. A spring-pin is responsible for fastening these two components together, which had failed in February. Operators had to cut through the concrete driveway to make the repair, performed March 4th.

The valve's operation is critical during the rainy season. Due to the WWTP backing up during high flows, the skimmers become submerged in the clarifiers. The additional head pressure puts such an increased load on the Drain Well causing the pumps to be overran. This almost always results in a call-out if the valve is left in the fully open position during a high flow event.

Considerations was given to leaving access to the valve in the event the valve has to be unearthed again. Statistically, valve failure is very uncommon and they typically have a useful life of 35-40 years. Given the robust fix operators performed on the failed spring-pin, it is extremely unlikely the valve will need to be re-excavated in the foreseeable future. Surface finish included a seven-sac concrete mixture using Tuf-Strand Fiber in lieu of reinforced steel; however, rebar was used to pin the new concrete to the surrounding driveway. Extra effort was given to reduce the appearance of a patch job by giving the existing concrete edge a quarter-round bevel abutting the new concrete edger trowel finish.

- The Headworks composite sampler is used weekly as part of the Reservoir pH Study. The composite sampler's refrigeration kept running continuously and freezing the raw wastewater samples. A replacement temperature sensor was ordered and installed, restoring the sampler back to normal operation.

Apply Colony Lift Station

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

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Bakers Reservoir and Dam/Outfall line

- Freeboard is roughly at 5.3 ft. as of March 26th.
- The rebuilt irrigation pump was reinstalled on March 14th. John Baker is all set to start irrigating when the irrigation season begins.
- Reservoir pH exceeded the 9.0 limitation from March 7th through March 14th. Initial out-of-compliance notification was given to the Regional Waterboards on March 7th. This is the first elevated pH occurrence during this time of year, when, historically, it occurs in August through December. Staff attribute this anomaly to the warmer than average temperatures we were experiencing in February.

Administrative

- The Pesticide Permit has been renewed. Staff was given their required annual pesticide training. Herbicide application has begun at the WWTP and reservoir.
- WWTP Improvements, Phase II design, Technical Specifications, and Front Ends are in the final stages of 100% completion, as of this writing.
- My apologies for not making it to this meeting. Should the Board receive public comment from the District's public outreach program, please inform any speaker that their comments will greatly be considered and addressed into the finalized Hazardous Mitigation Plan (HMP). Public involvement is a FEMA requirement prior to approving any HMP. Hazard mitigation assistance differs from disaster relief assistance in that an approved HMP is required to apply for funding to mitigate identified vulnerabilities within the District's jurisdiction. I am happy to answer any questions the Board has over the phone, or at the next Regular Meeting.

End of Report

Ben Kikugawa, Chief Plant Operator

March 28, 2024