

# TCSD CPO Monthly Operation/Maintenance Report

## November 2023

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### 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 Fire Extinguishers types and proper use on November 17<sup>th</sup>.

### 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 waited until after the Thanksgiving holiday weekend to perform regular hydro-jetting. Staff jetted 1,449 feet in the month of November.
- A call-out occurred to the collection system on November 2<sup>nd</sup>, during normal working hours. A customer called to report sewage flowing out of a manhole on Yosemite Road. On scene, staff observed a very slight overflow rate coming out of the manhole and spilled sewage starting to seep into the top of a drainage ditch. Two operators began to clear the blockage downstream of the overflow, while another operator contained the spill using surrounding dirt to dam the flow and further preventing it from entering the drainage ditch. After the blockage was relieved, staff vacuumed standing spilled sewage and flushed the area with potable water. The affected area was disinfected using an environmentally friendly virucide. Neighbors were notified and the spill was reported with a total spillage estimated at 61 gallons. Root intrusion later found to be the cause for the blockage. TUD called the next week to inform the District of the spill.

Sanitary Sewer Overflows (SSO) are categorized 1-4 with 1 being the most sever category. Any sewer that flows into a waterway, including dry drainages, results in a category 1 SSO. When inspecting the

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extent of the SSO, staff observed the bottom of the drainage to be dry. For this reason, the SSO was reported as a category 3 SSO due to no amount of sewage reaching the flow line of the drainage ditch.

- A call-out occurred on November 21<sup>st</sup> to 18432 Tuolumne Rd. during normal working hours. Staff new this lateral had past courtesy line clearing performed. The homeowner was advised that the problem was theirs to correct and advised to call a plumber. The homeowner asked for an estimate for the District to perform the work. An estimate was created using the Ordinance Fee Schedule, and forwarded to the homeowner. The owner agreed to the cost and staff performed the line clearing and mop cleanup.

There is concern over the District undercutting local plumbers by using outdated figures in the fee schedule. Research is being conducted to make appropriate updates to the fee schedule to prevent the impression the District is competing with local plumbing companies.

- A call-out occurred on November 27th to 18761 Cedar Street during normal working hours. The customer complaint was a clogged sewer lateral. Staff responded and determined the homeowner responsible for their lateral. The customer was given a one-time courtesy blockage clearing and informed that any future lateral maintenance by the District will result in additional service fees. The address was added to the list of courtesy lateral maintenance performed by the District.
- Staff have marked sewer mainline locations and shared collection system maps of the Apple Colony Basin with TUD in preparation for an upcoming water main replacement project.

## Plant Operations

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

- Annual samples were collected and transported to the lab for analysis. Analytical results from these samples are required to be included in the Annual Discharge Report, per the WDR. Sampling includes Turnback Creek, and source water from TUD and Black Oak Casino, as well as more intensive testing of the blended effluent (irrigated effluent).
- Grit in the Grit-chamber was removed following completion of the Collection System Project. Motherlode Septic was hired to perform the work, who had a more difficult time compared to past septic companies due to large chunks of asphalt and rocks clogging their suction hose.

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### 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 22.6 ft. as of October 28<sup>th</sup>.
- The irrigation pump was observed to have abnormal vibrations. The pump was allowed to continue through the remainder of the irrigation season. When John Baker notified the District that he was done irrigating for the season, staff pulled the pump and transported it down to Industrial Electrical for inspection. No assessment on the pump has been performed as of this writing.
- The reservoir pH has fallen below 9.0 as of October 31<sup>st</sup>.
- Staff have repurposed millings from the paving portion of the Collection System Project to rehab portions of the access road to the irrigation pump station.
- The access entrance to the runoff ditch at the reservoir spillway had washed out during the last winter. Staff have rehabbed this section using available dirt and rip-rap at the reservoir, and road millings.

**End of Report**

Ben Kikugawa, Chief Plant Operator

November 30, 2023

