

TCSD CPO Monthly Operation/Maintenance Report

December 2024 - January 2025

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
- Operational staff completed their two-year refresher CPR/First Aid training course. This certification is valid for another two years.
- Staff took an online course on *Flammable and Combustible Liquids*

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.

December 2024

- A call-out occurred on December 3rd during normal working hours for a lateral spilling at 18505 Carter Street. A passerby noticed the spill and called it in. Staff cleared the blockage and told the property owner this was a one-time courtesy flush. Due to the spillage's close proximity to the elementary school, staff cleaned up the sewer spill in the road shoulder.
- A call-out occurred on December 9th to 18630 Buchannon Rd during normal working hours. Customer called to complain their mother's vacant home lateral was backed up and spilled in the property line cleanout box. Staff jetted the mainline to check for obstructions – none encountered. Staff then cleared the lower lateral blockage using a nearby garden hose. The total lower lateral length is only approximately 3-4 feet. Because staff did not have to use special hydro-jetting equipment and due to the ease of clearing the blockage the address was not placed on the one-time courtesy flush list. The customer called back a couple of days later to state the lateral had clogged again. The customer was advised to clear the blockage same as staff had done with the garden hose and call back for a video inspection.

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- A call-out occurred on December 20th to 18530 Main St during normal working hours but extended into overtime. The on-call operator determined the issue to belong to the homeowner and performed a one-time courtesy flush and cleared the blockage.
- A call-out occurred on December 23rd to 18514 Oak St during non-normal working hours. This is a property staff have been to in the past and performed a courtesy flush; however, the sewer segment the lateral connects to is steep and difficult to jet from the downstream manhole. Jetting from the downstream manhole only reached 105 feet of the 285-foot segment, which was not enough to verify the blockage was not in the mainline. Staff tried to locate the end-of-segment cleanout using a metal detector but was unsuccessful to wood chips and miscellaneous metal objects in the ground. The only way staff could ensure the mainline was clear of obstruction was by jetting from the customer's cleanout. Staff have not been able to scope the lateral yet and the location of the blockage (lateral or mainline) has not been determined yet.
- Staff were able to conclusively determine the previously believed combined lateral where the illegal discharge took place is not shared by the neighboring property. The County Health Department was notified who requested I tag along for a surprise site inspection of the property. The customer first denied that any amount of petroleum products had been dumped in his drains until I explained the evidence collected pinpointing his property. While he never admitted guilt, he did apologize profusely. The primary goal was to scare the property owner into submission. I strongly believe the goal was met and we can expect no further illicit dumps from this property in the future.
- The Tribe is actively working to develop the Cherry Valley subdivision. They asked for assistance in locating property line cleanouts to design the new homes. Staff were able to locate 29 out of 36 cleanouts. Three of the missing cleanouts are not of concern to the tribe as they plan to build a playground, basketball court, and parking lot on these lots. There are still four missing cleanouts.
- Contact was made to the property owner on Apple Colony Rd who hit and damaged one of our manholes when grading his property. The gentleman was compliant with the repair requirements and the due dates set forth. He is to prepare new grouting surfaces and call in for an inspection before regrouting the damaged manhole.
- Now that the holidays have passed, staff will focus maintenance efforts on known sewer main sags where grease accumulates. Some of these areas require two-way traffic control.

January 2025

- 1,700 feet of mainline cleaned with more being done as of this writing. This figure does not include mainline jetting from call-outs.

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- A call-out occurred on January 2nd during non-normal working hours to 18152 Bodenhammer Ave. for a lateral blockage. The lateral was given a one-time courtesy flush. The mainline was then jetted out of concern that the blockage was pushed into the mainline.
- Another call-out occurred on January 2nd to 18469 Main St. during normal working hours. Responding staff found the owner had unearthed the lower lateral to the pavement. A property line cleanout was accessible and used to perform a one-time courtesy flush.
- A call-out occurred on January 3rd to alley behind the former Frontier Communications building during normal working hours. When on scene, staff observed sewer overflowing out of an end-of-segment cleanout and began documentation and line clearing activities. Following blockage clearing, three customers alerted staff of overflows into their restrooms. One of the property owners stated he was too old to clean up the mess which extended onto his bathroom ceiling. Staff was given direction to clean up the mess at all costs. A cleaning company was called in due to an in-progress time-sensitive project and out of a concern of liability to the District. The spill had entered a storm drain inside the secured Frontier perimeter fence, making the overflow the highest possible spill category even though only 57 gallons (estimated) had entered. The sewer spill was reported in the California Integrated Water Quality Systems (CIWQS) and certified by the LRO on January 13th.
- Another call-out occurred on January 3rd to 18521 Main St. during normal working hours. The mainline was checked for obstructions; none were found. No accessible cleanout was found, and the homeowner was advised to call a plumber.
- A call-out occurred on January 7th to 18115 Box Factory Rd. during non-normal working hours. The on-call operator attempted to give a one-time courtesy flush but stopped due to creating a large spill. The issue was determined to the responsibility of the homeowner, and they were advised to call a plumber.
- A courtesy flush was performed at 18630 Buchannon Rd. stemming from a call-out from the previous month where the blockage was relieved with a garden hose.
- A manhole on private property in the Apple Colony Basin was hit and damaged when the property owner was using heavy equipment. The owner was sent a notice advising them to make the repairs or be billed if the District had to make the correction. The customer followed all instructions given and passed the pre and post inspections. A notice was sent to him stating the matter is now concluded.
- The two District hydro-jetting vehicles were non-operational during a call-out. One vehicle was a simple dead battery. The other required our equipment mechanic to be called in after multiple failed attempts by staff to troubleshoot the issue. The mechanic found two failed components

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which are required to work for the pony motor to run. One part has been replaced and the other is on order. The part that is on order has been bypassed to keep the equipment operational.

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Plant Operations

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

December-2024

- The new outfall pipeline under the concrete driveway inside the WWTP has been replaced. Staff hydraulically tested the pipeline using the two bypass pumps the contractor had for installing the new outfall pipe. We had very positive results. In the past, the plant would back up at a loading rate of 700 gallons per minute (GPM). For reference, the plant max rating is 1,167 GPM. We first used one of the pumps and achieved a flow of 917 GPM. We then started the second pump; however, the discharge hose to this pump was less flexible than the first pump and blew out of the clarifier trough. It was observed that the pipeline could have taken more flow. Staff was able to run inside and see the brief added flow of 986 GPM before it passed through the plant. This flow rate has never been seen at the WWTP and it is safe to say the project is successful.

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- A correction needs to be made to the November CPO Staff Report on the installation of the repaired sludge pump. The pump was being reinstalled when writing last month's report but was not completed. The reason was due to the original contractor over torquing bolts to a special pump flange adapter and stripping out the threads. Numerous inquiries into the manufacturers' distributors offered no help. Staff took the flange adapter to a local machine shop to install Heli-Coils. We received the flange adapter back and, again during this writing, the adapter and pump are being installed.

January-2025

- Staff completed the partially installed Headworks overflow pipe to the Aeration Basin on January 3rd. The overflow pipe was installed in a manner that would maintain flow metering. This improvement is considered incomplete as both ends of the pipe need to penetrate the Headworks and Aeration Basin concrete containment walls.
- A new sludge pump installed in the 2022 WWTP improvement project was sent in for repairs back in August 2024. We received the pump in December but did not reinstall it until January 6th due to construction at the WWTP. When reinstalled, the pump was observed to have a slight leak. Missing paint on the allen bolts were evidence the bolts were removed for the repairs. Staff attempted to tighten the bolts and found the receiving threads were stripped. The company who performed the repairs were called on site to make the correction. Two stripped bolt-holes were drilled and given Heli-coils. A new O-ring seal was also installed. The pump has been reinstalled and working as normal.
- Phase-2 of the WWTP improvements is nearing an end. All that remains are minor Punch List items.
- Staff have been working with our SCADA consultants, Telstar, as we enter the next phase of the WWTP improvements.

Apply Colony Lift Station

Daily Apple Colony lift station inspections performed as required by SDRMA

- Nothing to report

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Bakers Reservoir and Dam/Outfall line

December 2024

- Freeboard was roughly at 21.0 ft. as of December 24th
- The middle access gate to the reservoir had been damaged either by horses/livestock or trespassers. The lock to the actuator arm has signs of tampering and rendered our key useless. A new actuator has been purchased and reinstalled. I plan to post dummy surveillance signs in the area as a scare tactic.

January 2025

- Freeboard was at 14 feet as of January 28th

Reports Submitted

- January 3rd Sanitary Sewer Overflow (SSO) certified January 13th
- California Air Resources Board (CARB) Low Use Exemption, reported January 17th
- Annual Discharge Report, submitted January 28th
- December Monthly Monitoring Report, submitted January 29th

End of Report

Ben Kikugawa, Chief Plant Operator

January 30, 2025