

# TCSD CPO Monthly Operation/Maintenance Report

## June 2022

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### General Plant Operation/Maintenance

- Daily plant maintenance/housekeeping
- Daily/Monthly/Quarterly 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 inspection.

### Safety Report

- No safety accidents or near misses.
- Monthly fire extinguisher and eyewash station checks performed.
- A Safety Meeting on Heat Stress was held on June 9<sup>th</sup>.

### Call out/Plug up/Spill/Collection System

- A call-out occurred on June 2<sup>nd</sup> to the WWTP during non-normal working hours. Construction related activities tripped out a temporary power to the dissolve oxygen meter as well as the WAS and RAS flow meters. The on-call operator assisted the contractor in returning everything back to working order.
- A call-out to the WWTP occurred twice on June 27<sup>th</sup> during non-working hours stemming from a widespread power outage.
- A call-out to 18559 Laurel Ave. occurred on June 28<sup>th</sup> during normal working hours. The private sewer lateral had a blockage roughly six feet outside of the property line. Staff performed a one-time curtesy flush and informed the owner that any future line clearing done by the District would come with a cost. Staff returned the next day to camera the lower lateral and found an intact line with no apparent cause for the blockage. It was determined that because the home was vacant for a period of time it caused toilet debris in the pipe to dry up preventing recent sewer debris to catch onto creating a blockage.

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- Staff will be sending out Authorization Letters to customers whose lateral will be rerouted. The letter requires an authorization signature allowing District staff and our representatives to enter onto their property to perform the work. There are 36 lateral reroutes in this phase of Carter Basin renovation project.
- A homeowner on Cedar Street had cleared blackberry shrubs from a drainage ditch behind his house in an alleyway. By doing so, he uncovered an exposed and elevated sewer main spanning the drainage ditch. This exposed mainline is an old iron pipe which has an unnatural bend in the middle. It is presumed the pipe was bent from high flows through the drainage ditch which also pushed the pipe off the pipe support. A steel support was fabricated and bolted to the existing pipe support. The sewer main was also braced off in the middle of the span to counter future high flows to prevent the pipe from bending further. This “band-aid fix” was only intended to protect the pipe until funding becomes available to renovate the Willow Basin. To be done correctly, the pipe would need to be replace, sleeved, and more robust pipe supports added.
- 18,223 ft. of mainline was cleaned in June.
- There is a new service connection for 18578 Elm St.

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

## Plant Operations

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

- A new pump vault and sludge piping has been installed in Clarifier-1 as part of the WWTP upgrades. When the pumps are installed in the vault Clarifier-1 will be brought online using the new pump and Clarifier-2 will be taken offline to install new piping there. See the next page for photos of the vault being set.

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- The Wasted Activated Sludge (WAS) line has been clogging more often than usual. Staff are not entirely sure as to why this is occurring but it may be from the Sludge Lagoon's high liquid level which reduces the amount of head pressure needed for the sludge to flow. We are now manually wasting to the Emergency Storage Lagoon and pumping the sludge over to the Sludge Lagoon using a submersible pump. Sandbags were placed to contain the roughly 2,000 gallons of sludge wasted daily. We anticipate this problem will be resolved when the Sludge Lagoon level drops during the upcoming sludge removal project.
- Sludge removal bids were opened on June 22<sup>nd</sup>. Synagro Inc. came in as the lowest bidder. All bids were assigned a score based on their qualifying criteria.

### Apply Colony Lift Station

- Daily Apple Colony lift station inspections performed as required by SDRMA.
- Apple Colony Lift Station was cleaned on June 13<sup>th</sup>.

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### Bakers Reservoir and Dam/Outfall line

- Freeboard is roughly at 10.5 ft.
- John Baker's two horses have broken the actuator arm belonging to an automatic gate on the reservoir access road. Staff have ordered a replacement actuator arm and will outfit the gate with electric fencing the District has on hand to prevent the damage from reoccurring.

Ben Kikugawa, Chief Plant Operator

June 29, 2022