

# TCSD CPO Monthly Operation/Maintenance Report

## June - July 2024

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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/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
- A safety meeting was held on July 12<sup>th</sup> with the topic of Wildfire Season.

### 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 total of 2,650 feet of sewer mainline was jetted in June and July.
- A call-out occurred twice on June 29<sup>th</sup> during non-normal working hours. The call-outs were the result of power outages and power fluctuations within the power grid. The on-call operator responded and reset the sludge pumps. Call-outs of this nature should not be needed following the completion of the upcoming SCADA renovation project.
- Mozingo performed some warranty work in an alley off Rosier Ave. The work included re-pouring a concrete collar around three property line cleanouts belonging to a Paul Feriani, and raising grade around a manhole caused by backfill settling.

### Plant Operations

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

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- Annual Blower maintenance occurred on June 12<sup>th</sup>
- There was a drainage issue between the Sludge Lagoon and the aggregate storage bays. A drop inlet and drain pipe storm drain system was installed in this area to collect runoff but was installed too high to for the whole area to be sloped to the storm drain inlet. Staff pulled the catch basin, reinstalled it three inches less in elevation, and regraded the area for proper slope.
- Staff had to locate an abundance of underground utilities within the WWTP for the construction Project we are currently in contract.
- The WWTP Phase-II project has mainly involved potholing to date. A Pre-Construction Meeting was held on July 26<sup>th</sup> with Mozingo, George Reed, Black Water, Forsgren Associates, and the District.

### Apply Colony Lift Station

- Daily Apple Colony lift station inspections performed as required by SDRMA
- Lift Station cleaned on June 13th

### Bakers Reservoir and Dam/Outfall line

- Freeboard is roughly at 15ft. as of July 30<sup>th</sup>.
- Following a rebuild of the irrigation pump, staff reinstalled the pump not thinking a realignment was required due to the pump bolting up to flange fittings where minimal movement allowance of the pump exists. Following reinstallation, rubber love-joy couplers were wearing out extremely fast. Looking into this more closely revealed the pump did in fact need a shaft alignment. A specialist performed the alignment in the field shortly after. By this time, some damage had already occurred to the pumps mechanical seals. As a result, the pump seeps larger amounts of water past the input shaft. Industrial Electric is the company who performed the rebuild and shaft alignment. It was in their professional opinion that no further damage will result by continued use of the pump. Staff are now waiting out the remainder of the irrigation season before we pull the pump again and have the seal replaced.
- Grinding Rock Dam is equipped with an internal seepage collection system that discharges to the toe of the dam and is measured by a V-notch weir every year during dam inspections. Last year, the V-notch weir box was cited as needing to be replaced due to corrosion. When staff removed box in preparation for replacement, the culvert that conveys seepage to the box was also found to be badly corroded. Staff obtained permission from the Division of Dam Safety to perform the work

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and we are now in the process of replacing both the V-notch weir box and 120 feet of culvert. A recent dam inspection took place during our construction activities, which made the dam inspector pleased to see. Other preparations for the dam inspection include blackberry bush removal around the dam and spillway cleaning. The recent dam inspection took place on Aug. 1 and will be discussed in more detail in next month's Staff Report.

- The reservoir exceeded the pH limitation again on July 9<sup>th</sup> and continued for a period of six days. Proper notification

**End of Report**

Ben Kikugawa, Chief Plant Operator

Aug 2, 2024