

TCSD CPO Monthly Operation/Maintenance Report September 2022

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 regular inspections.

Safety Report

- A safety course was taken by staff online for Blood Borne Pathogens.
- No safety accidents or near misses.

Call out/Plug up/Spill/Collection System

- The Collection System Project is underway. Mozingo had a rough time installing the first segment between the park and the public pool due to our sewer mainline running through a storm drain which nobody new about. The project is expected to pick up in speed as this segment is nearing completion. Staff is working closely with Mozingo to keep customers informed of impacts to them, identifying and resolving issues before they cause construction delays, and resolve fine details not identified in the design.
- A call-out occurred on September 12th to 18333 Birch St. during normal working hours. The issue was identified as being the responsibility of the homeowner. A curtesy flush was performed but staff was no able to reach the blockage which was in the private property side. The homeowner was informed to call a plumber.

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

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Plant Operations

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

- The Sludge Removal Project was completed on September 9th. As with most sludge removal practices, there is leftover sludge present in the processed water (centrate). The excess water has been pumped out and the sludge allowed to dry. Once the sludge is fully dried it is no longer considered hazardous material and can be disposed of in the trash dumpster. Staff does not see this as an issue with the warm weather future forecast. The total tonnage came in at 58.696 dry tons. Synagro, the company who performed the sludge removal, did not provide laboratory analytical reports on the solids percentage tests performed to establish the total weight, however, they did list solids percentage figures in their poundage formula. These figures varied greatly from what our lab reported to the District even though they were the exact same samples Synagro collected and tested.
- A flap-gate to one of the integral clarifiers has a broken seal meaning the clarifier can be taken offline but if pumped down the clarifier will eventually fill back up. Staff found long ago that running one clarifier during the dry weather season performs better than running two. This is because the plant is designed for an average flow double than what it typically receives in the dry weather times of the year. Also of benefit to this is the ability to sun bleach the clarifier though not in use while it is offline. To fix the broken seal will require a scuba diver to make the repair as the system was not designed to be fully drained. This issue has been recently identified and no quotes have been obtained thus far.

Apple Colony Lift Station

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

Bakers Reservoir and Dam/Outfall line

- Freeboard is roughly at 26 ft. as of September 29th.

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- The reservoir continues to be out of compliance with pH levels. Daily pH readings are being taken as part of the increased monitoring plan proposed to and accepted by the Regional Waterboards. This will likely not be necessary with future pH issues as the District, with Carollo Engineers lead, are studying the reservoir. The study involves weekly samples for pH and alkalinity taken at various locations along the treatment process including the reservoir and Turnback Creek when flowing. A few other samples will be taken on conjunction with the monthly samples we are required to collect for the discharge permit.

Ben Kikugawa, Chief Plant Operator

September 29, 2022