

TCSD CPO Monthly Operation/Maintenance Report October 2021

General Plant Operation/Maintenance

- Daily plant maintenance/housekeeping
- Daily/Monthly/Quarterly sampling and reporting
- Data collecting/recording /reporting
- Computer 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.
- Online safety course on Advance Construction Safety.

Call out/Plug up/Spill/Collection System

- TEDA and the District had a meeting on the final phase of rerouting the sewer trunk line crossing Turnback Creek. TEDA plans to redo the Westside dam which supports the sewer main. TEDA shared their plans for the project showing a dedicated support structure for the sewer main downstream from the dam. Downstream manholes have previously been relocated to align with the new route. The District Engineer reviewed the plans and relayed comments to TEDA. The project is still preliminary and not expected to begin for a few years.
- Staff continued to evaluate private laterals in the southern Carter Basin. A cleanup list was sent to the surveyor's office. Final survey occurred on October 27th. The only lateral route staff are unsure of belongs to the Revive coffee shop and their neighbor on Chestnut Ave. Staff have dye tested this lateral multiple times with no results as to where it connects.

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- A callout occurred to the collection system on October 20th during normal working hours. The issue was a downed tree possibly uprooting a sewer pipe. The sewer pipe in question was found to be a private lateral on private property. Visual inspection showed the pipe to be intact and undamaged.

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

Plant Operations

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

- Casino flow meter telemetry was declared working on October 1st. The two remote flow meters transmit data via cell towers back to the WWTP where staff access the data through SCADA.
- A new dumpster body Switch-N-Go unit was purchased and picked up on October 7th.
- On October 16th while performing regular weekend rounds staff observed the headworks automated screening equipment did not turn on. Influent had backed up spilling over the flood gates in the bypass chamber. No alarm was activated so no callout occurred. The equipment was manually turned on until the liquid level was back to normal and returned to "Auto" where it worked as normal. This has happened multiple times before with no understanding as to why. Intermittent issues are by far the hardest to troubleshoot. The issue is expected to be addressed with SCADA upgrades.
- The first phase of the WWTP Construction Project was completed on October 22nd. The second phase is on hold while waiting on a pre-cast vault for the clarifier sludge pumps. The contractor is scheduled to return in January to finish the project.
- Annual Fire Inspection walkthrough occurred on October 19th. No issues were found.
- A total rainfall of 5.23 inches resulted from the sever storm on October 24th and 25th. The plant held up well and precautions measures were taken to prevent callouts.

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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

- A large tree fell on the runoff ditch splitter box. No damage was caused to the concrete structure or gate valves. Chain saws and tractors were used to clean up the area.
- Reservoir pH readings were below 9.0 for a week straight from October 22nd to October 26th. His concludes daily monitoring of elevated pH and staff will return to weekly testing per the WDR.

Special notes:

- TCSD staff continuously works to avoid any unnecessary overtime.