

CVPCSD Monthly Report

August 2024

Daily average flow = 472 gpm

Daily Average Raw NTU = 3.54

Daily Average Finished NTU = .025

Water Plant –

- Many issues with PCWA canal algae. At one point the pipeline between the canal and the plant was totally clogged around the rate of flow valve and flow meter stinger. Harry spent most of the day and removed the stinger and flushed multiple times with our fire pump and was able to clear clog.
- Polymer injection point stinger clogged, causing low poly feed. Harry found it and cleared the clog. Will put into a 6 month maintenance item to clear line and check.
- Had another crack on fitting for Iwaki hypo pump. I have spoken to my team about this pump, and everyone is in agreement that it might be better to stick with Stenner. Although we had some issues with the stenner pumps at first, once we cycled the bad two pumps out, the two remaining pumps have been running for over a year with no issues.
 - I would like to save the current Iwaki Pump we bought as a spare for the soda ash feed, as it is the same style of pump (Diaphragm).
 - We had one spare Stenner pump, and we have a ton of parts and spare peristaltic tubes. Parts are easy to purchase through Grainger. We are going to swap that back to the post sodium hypochlorite feed and I would like to order a spare. I will have an attachment by Tuesday with a price.
- I also spoke with My team, and the current Stenner pumps work well with the current setup using “foot valves” instead of a flooded suction style tank. I think as long as we do annual maintenance on our tanks and clean them out annually or biannually, we will have no problems. Eliminating the feed at the bottom of the tank, will ensure no leak points and will save money on fittings and piping and hours on install. Literally swap out tanks and were running.

Distribution –

- 5055 Gregg way to shut water off for repair.
- Investigate leak at 4080 Louis ct. Will need to repair Curb stop. It's a double service.
- Checked leak at 2840 Campbell. Leak on customer side. Customer notified.
- We are a bit over a 1/3 of the way done with LSL (Lead Service Line) inspections and we expect to be done by the end of the month.
- Quarterly Disinfection byproducts sampling this month

Summary

- Spoke with PCWA canal applicator supervisor on the chemical they use to treat algae. They use Cutrine Plus. The primary ingredient is copper, with a blend of citric acid. When they dose the canal, they dose it lower than the allowed copper level for drinking water tap standards. I feel confident that after letting the canal clear for 5 hours, plus the treatment process, we do not need to worry about any copper issues in our finished water, but if the board likes, I can sample next time they treat the canal.
- The leak we have been dealing with since our sed basin cleaning has become much worse. I have Prestige Gunitite coming out to repair the channel hopefully Wednesday. Until then we are doing everything, we can to mitigate the water that is leaking including pumping back to the reclaim tank and sed basin. At times we will have to pump sum off site to the drainage culvert. There is no chlorine in this water.