

Operations Report 3-2020

Water Plant

The water treatment plant has been running smoothly. Winter flows remain low, continuing to bring operational challenges in the distribution system. The plant only ran for 12 days in February, all the other demands were satisfied with excess storage at the plant and in the system. The operators have been task to write an operational strategy that evenly rotates all the equipment, pipes, contact chambers, pumps, etc. at the new plant. Due to all the valve failures early on all the equipment did not have the same runtime hours, we have now caught them up the best we can and are implementing this rotation strategy.

We have held our pre-construction meeting for the High Service Pump Installation project. The main attendees included Velocity, Kenny Electric, TST and me. Velocity has started getting submittals to TST for approval so parts can be ordered.

We had another sludge pilot do a demo at the treatment plant; it was a Volute Screw Press by PW Technologies. It worked fine and we are waiting for the report, however, it was sized for 20 GPM and it could only perform at 7 GPM so that was concerning.

We had the pre-bid meeting for the sludge hauling from the old plant's backwash pond and have since received the bids. Kelly Trucking came in as the low bidder. TST is checking references and will recommend approval of contract.

In February, production was **12.9** million gallons of treated water, **3.2** million gallons was sent to Sterling Ranch.

Lift Stations

The lift stations are running smoothly. TST continues design on the 4th pump addition at the lift station. We have toured multiple sites and looked at numerous pumps by various manufactures. The decision is to spec the Flygt model. This will be a dry pit submersible installation and all the places we visited spoke very highly of them.

We have made a warranty claim to HPM due to the parking lot striping at the lift station having worn off. They have agreed to fix it.

In February we pumped **20** million gallons of sewage to Littleton Englewood, almost **1.6** million was conveyed for Sterling Ranch.

Field

The field remains busy once again this month. Field staff responded to over **553** locates. The majority of locates were in Sterling Ranch, only **159** were in Roxborough.

Design continues for a sewer main replacement on Rock Wren Run in the Park. Potholing continues to be a struggle finding the deep utilities, so that task continues. They have run into a lot of rock in the potholes, which is concerning.

Conversations continue with Dominion WSD regarding the odor concerns coming from their forcemain. We have pulled the data from the high concentration odor loggers. There are h2s peaks of over 1000 PPM, which is an immediate inhalation hazard.