

Operations Report 9-16-2020

Water Plant

The water treatment plant has been running smoothly. Water flows have continued to increase making this last month our highest production to date. In August, the plant was operational for all **31** days with an average plant production of 2.62 MGD and a record max day of 3.67 MGD. We continue to manage the built-up sludge in the reclaim basins, I am pleased to report the east basin is complete, and we have begun on the west. We are utilizing 3 sludge boxes to manage the sludge; these have proven to be the most reliable and cost-effective method for our current dewatering needs. The plant guys have put in a tremendous amount of effort into this project and they all deserve recognition. Moving forward the sludge will be managed as it is accumulated and not allowed to back-up and a base line will be developed for how much sludge we develop per MGD and dewatering options will be designed accordingly around that. It is very likely that the sludge box option will be sized appropriately for years to come. Velocity has completed the high service pump addition at the WTP and all punch list items are done. Final payment can be released when all appropriate paperwork has been completed. Kelley Trucking has completed the hauling of the contaminated soils in the bottom of the old backwash pond as part of their bid alternate for the sludge removal project. Next steps for the pond are to get it surveyed and start conceptual drawings of converting it into an emergency overflow basin in 2021.

August production was **81.3** million gallons of treated water, **17.1** million gallons of that was for Sterling Ranch.

New plant operator Mitchell Stroehlein started work with the District on August 31st, Mitchell comes decorated with multiple licenses including his class 4 Collections and Distribution licenses and his class C's in Water & Wastewater. We are hopeful that Mitchell will be a good part of our team, Mitchell is also a 5-year Roxborough resident.

Lift Stations

The lift stations are running smoothly. There has been little activity at the lift station with regards to the 4th pump addition project. Submittals have been flowing to TST to get long lead time parts ordered, specifically the pump and VFD.

August saw **21** million gallons of sewage pumped to Littleton-Englewood. Approximately **2.2** million was conveyed for Sterling Ranch.

Field

The field remains busy for August with over **553** locates with the majority in Sterling Ranch. A total of **165** were for Roxborough.

The relocation of Roxborough's 12" waterline in the field just east of Safeway has been completed by Sterling Ranch. This line was relocated to accommodate grading changes in filing 3 and was funded by Sterling Ranch.

Design for the upsize of the north loop 12" transmission line in Rampart Range Road continues. This is the upsizing of that line from 12" to 24" in Rampart Range road between both Village Circle East entrances to accommodate fire flows. We are working on final alignment, TST has met with Xcel Energy to talk about design requirements around their powerlines.

Design for the water and sewer line replacement continues the locate and survey on the sewer service lines is complete. Future meetings include additional meeting with the RP Foundation and ultimately meetings with the homeowners.

Dominion continues to gather H₂S data in their force main, I attended a meeting with Iron Woman representing their Spray Roq technology with Dominion. Spray Roq is a structural liner that is corrosion resistant that is applied in manholes with corrosive environments. Iron Woman also works with Granite Inliner who does similar structural linings on sewer lines to protect against the same things. This will be critical as O-Line negotiations continue as protecting the downstream assets is being included in the agreement.