

## **Operations Report 4-15-2020**

### **Water Plant**

The water treatment plant has been running smoothly. Due to COVID-19 the District has been running half-staff. There are two plant operators and 2 field operators working, switching off every other week with the other staff. Water flows remain low, which continues to bring operational challenges in the distribution system. In March, the plant was operational for 16 days. All other demands were satisfied with the excess storage at the plant and in the system.

Velocity has started ordering parts for the High Service Pump Addition for the WTP. They are not planning on being onsite until mid to late May. TST is working with Velocity to get all submittals approved.

The third annual WTP open house has been cancelled due to Covid-19. Also, cancelled was the Sterling Ranch resident's tour in late April, this will be rescheduled when Covid-19 restrictions are lifted.

Contracts are signed with Kelley Trucking to start removing the sludge at the WTP. This is the sludge from the old backwash pond and related to the old WTP. If weather permits the hauling should take approximately a week. The site clean-up and ground restoration will follow. The bid alternate presented on this contract will likely not happen with this contract as there is still water in the bottom of the old backwash pond restricting sampling for the clean closure plan. Once sampling is done, test results will typically take two months for analyzation.

March production was **14.3** million gallons of treated water, **4.3** million gallons was for Sterling Ranch.

### **Lift Stations**

The lift stations are running smoothly. Plans for the addition of the 4<sup>th</sup> pump at RLS are still in the queue for review by the health department.

The transition vault was flooded by storm water and silt a couple of weeks ago. The causation was from poor erosion control from the C-470 project. Barb has been in contact with Flatirons and has set up a meeting with their Superintendent to determine a remedy. Due to the flooding of the vault, power was lost to the pressure sustaining valves causing them to remain closed. All night pumping was required to access the valves and open them by hand. Due the duration of the outage the emergency overflow pond at RLS had some sewage put in it.

March saw 24 million gallons of sewage pumped to Littleton-Englewood. Approximately 2.0 million was conveyed for Sterling Ranch.

## **Field**

The field remains busy for March with over 627 locates with the majority in Sterling Ranch. A total of 164 were for Roxborough.

Design for the sewer main replacement on Rock Wren Run (in the Park) continues. Potholing continues to be a struggle for locating the deep utilities. We have entered another contract with another company who was successful in locating the last missing pipes. The survey will be updated and TST will continue the design.

We performed some potholing on the raw water irrigation line located east of the office. The line supplies water to the Village and Arrowhead. The line currently is in some of the lots that are for sale by Steve Ketcham. A portion of the line will need to be relocated by the landowner to make the lots buildable. The line needed to be located for design purposes. Potholing was successful and the line will be surveyed for design.

Conversations continue with Dominion WSD regarding the odor concerns emanating from their force main. They have their engineering firm, Burns & McDonald performing an evaluation on the H<sub>2</sub>S at the Titan Road Lift Station. In the short term, to lower the H<sub>2</sub>S concentration DWSD has requested that we augment potable water into the wet wells to lower the detention time of the sewage and hopefully reduce the concentrations of H<sub>2</sub>S. We will gather more data from the odor loggers and report the results when available. They are adding approximately 15,000 GPD.