

Operations Report Water Plant

The water treatment plant has been running smoothly. Water flows have begun to increase requiring daily operation of the plant now. In May, the plant was operational for all **31** days with an average plant production of 1.8 MGD. We are still following CDC guidelines at the plant and have ample stock of safety related supplies. We have submitted a reimbursement request through The Colorado Special Districts Insurance Pool for 100% COVID-19 related safety supplies reimbursement, if approved we should receive a refund of nearly \$2500.

We have been given to review Dominions BDR High Zone Pump addition to the WTP. This appeared to be a two-phase project; phase one was the pump addition in plant with automated valves in the distribution system to select the zone it filled. Phase two appeared to be another pump addition to the WTP with new piping leaving the plant to its respective zone. We had multiple comments pending the review and are meeting with Dominion to discuss them.

Velocity has indicated a start date in early June 8th, some pipe deliveries have already been made. Water Technology Group has set the High Service Pump and balanced the motor, the pump is complete and ready for Velocity to hook it up.

Kelley Trucking has completed the removal of all the sludge residuals from the old backwash pond, they hauled 115 side dump truck loads from the site. They have completed the leveling of the soils and a small Change Order to remove some additional spoils we have onsite. CDI will disk and seed the disturbed areas. Nine additional samples have been taken under the liner and sludge piles for compliance with CDPHE regulations to prove all the residuals have been cleaned up. Kelley Trucking has indicated they are still interested on performing the work for the bid alternate, depending on when the samples are ready contract dates might need to be shifted a bit for them to be able to perform. The lab was affected and became backed up by COVID-19.

We are still managing sludge dewatering out of the new plant as we can, we currently have sludge box rental at the plant and are removing as much sludge as possible prior to more dewatering demonstrations.

May production was **47.6** million gallons of treated water, **11.0** million gallons was for Sterling Ranch.

Lift Stations

The lift stations are running smoothly. Plans have been released for bid, the mandatory pre-bid meeting has been held and bids are due June 4th. We had 6 contractors attend the pre-bid and a couple of sub-contractors, we are hoping for some competitive bids.

May saw **24** million gallons of sewage pumped to Littleton-Englewood. Approximately **2.5** million was conveyed for Sterling Ranch.

Field

Fire Hydrant flushing is complete for 2020, I am pleased to notify the board that the clarity of the water was the best we have seen to date. With the combination of the high rate annual flushing and the new treatment plant the results are proving to be very favorable in our distribution system.

The District has hired on our summer helpers for the 2020 season, we were fortunate enough to fill the slots with 4 well qualified helpers.

The field remains busy for May with over **575** locates with the majority in Sterling Ranch. A total of **174** were for Roxborough.

Design for the water and sewer line replacement continues, Barb and I have met with TST and gone through the first review of the drawings. We are still looking to finalize the alignment and learn as much as we can about each of the properties service connections. Future meeting include meeting with the Foundations and ultimately meetings with the homeowners.

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 h₂s at the Titan Road Lift Station. This document is supposed to be available for review towards the end of May. In the short term, to lower the h₂s concentration DWSD has requested that we augment potable water into the wet wells to lower the detention time of the sewage, initial testing following the augmentation showed no signs of improvement. RWSD will put the odor loggers back in while flushing their system as we will be diverting flow through the manholes to see if that helps. Currently they are adding approximately 15,000 GPD. Complaints have been made by RWSD residents via Facebook as well as staff members and consultants.