

## **Operations Report**

**5/7/2019**

### **Water Plant**

The water plant is running smooth, average daily flows are around 0.900 MGD and rising quickly with the irrigation systems beginning to get fired up. On May 6th the summer time schedule was put into operation, addressing overtime and using the new plant is my priority for this summer. The way I have written the new schedule and added automation to the plant will help me do this in a very efficient manner.

The backwash pond is nearly complete with its dredging operation, they have filled the Geo Tubes with as much sludge as they can, the bags continue to dewater back into the pond. Once the remaining sludge in the pond settles they will decant the clear water back to the plant to be retreated. Any remaining sludge in the pond will dry and form cake prior to removal.

As stated last month Republic Services has granted us approval to dispose of the sludge we have built up at the new plant using the Drimad unit. A roll off has been delivered and we are just waiting on a manifest to send it off full of sludge. We will contract with someone else to remove and dispose of the remaining old sludge we have on-hand in the reclaim basins. Once that is complete we will develop a baseline of sludge generation and design appropriately around that for our dewatering solution.

We have identified a few maintenance issues in the pump stations that we are having addressed prior to summer. One issue is completed it the replacement of a pump station motor. This was swapped with one that we had a rebuilt, on-hand and we will send this one back to get refurbished as well. The other issue that was identified was a blown out seal on one of the pumps, we have sent this pump into the shop for repair and full analysis.

Sterling Ranch CAB has requested RWSD provide a tour of the WTP for their residents on May 21<sup>st</sup>. RWSD will provide two tour guides, myself and Barb will attend and we will bill Dominion appropriately for the hours though our operating agreement.

On May 13th the new Plant Operator was hired, his name is Mark Compton. Mark did not have the necessary credentials to be named the Lead Operator, however did have high enough credentials to be named a Senior Operator. I will continue to act as the Lead Operator until one of the internal staff members get the proper certifications at which time they will be promoted into the Lead Operator position. Mark has his Class A Wastewater, Level 3 Collections, D Water and 1 Distribution and is eager to expand his water skills since he is proficient in Wastewater Treatment. We are excited to have Mark onboard and believe he will be a good fit for our team.

In April the WTP produced 28 million gallons of treated water, 8 million of that was produced for Sterling Ranch.

### **Lift Stations**

The lift stations are running smooth, we have pulled one of the pumps in the Roxborough Lift Station and sent it in for a seal repair.

The pressure sustaining valve that Garney helped us replace at the Transition Vault was installed, however, the remanufactured valve was put together improperly prior to being sent back to us. We will need to fight with the manufacture for a warranty claim, the difficult part is this was rebuilt in 2014 and has been sitting on the shelf. Moving forward TST has obtained a quote on a new actuator and valve, I have authorized the PO and placed the order, once it gets here we will have Garney replace at which time we will have 2 valve that will be sent in for repair.

Final plan flip for the Lift Station paving project and flow meter installation has happened, TST is addressing final comments on the plans and getting them to 100%. Once they are there we will advertise the project and get bids.

In April we pumped 20 million gallons of wastewater to Littleton/ Englewood, 961,000 was conveyed for Sterling Ranch.

## **Field**

Sterling Ranch is keeping the guys super busy with locates and new infrastructure testing for putting new pipe into service. They are working on phase 4 infrastructure as we speak and we are told phase 3 in the corner of Rampart Range Road and Village Circle East will start in 30 – 45 days.

The field staff continue to perform flushing for annual water quality requirements, they are complete with all of Roxborough / Ravenna, NWDC and beginning in Sterling Ranch the week of the 13<sup>th</sup>. The flushing was done very efficiently this year and the field staff deserve huge props.

Field staff continues replacing meters, today we have approximately 1150 of the new meters installed. We are actively installing meters in all the new service line connections associated with the NWDC project. Currently we have 69 installed in Chatfield East, 32 installed in Chatfield Acres and 17 in PVH.

Minor punch list items still remain on the Ravenna project, paving was completed May 6<sup>th</sup>, and the remaining issues are related to programing and fail-safes not working as intended. The Ravenna low zone tank is in service, we will begin to trend data to develop the proper operational practices.

Valve turning will begin after hydrant flushing is complete.

We have done the final plan flip on the Z3 Pump Station Site improvements project, final comments are being addressed by TST and a 100% set of plans are being developed as we speak. This project will address drainage and access issues.

Preliminary walk-thru has occurred for the Zone 3 – 4 bypass project, this project will be the addition of bypass pumping hydrants between the zones. We have identified the proper location for these hydrants in the crossover near the northern entrance to Hawthorn Trail. Tim Beyers has signed off on the proposed location, 2<sup>nd</sup> the ball is in my court to seek quotes.