

## **Operations Report 9-19-18**

### **Water Plant**

The water treatment plant is running good, flows have remained high through August and we are still averaging approximately 1.8 MGD. We have been experiencing some decreased filter runs at the plant, multiple chemical adjustments have been made to the Alum and the Polymer which have helped a little so we moved the troubleshooting into the filters. It appears the filters may be getting blinded a combination of sand carry over and Alum/ Polymer sludge and has formed some mud balls. We are currently in the process of cleaning those filters with a combination of chlorination and different backwash techniques.

Barbara is still working diligently with CDPHE and Pinyon Environmental on the disposal of the sludge that remains in the old backwash pond. In the mean time we have accepted a proposal from Veris Environmental for the removal and dewatering of the sludge in the backwash pond. We expect they will mobilize towards the end of September and have the pond dewatered in about a month. Once the pond is empty we will have no place to hold our sludge so we have been looking into many different technologies for sludge thickening. One technology we found was a system called Drimad which is a bag style containment, sludge is thickened and stored in bags until disposal is needed. We toured plants with this technology and they liked the process, our vendor rep found us a used unit in Bailey that was for sale so we picked it up to use as a pilot unit. We are in the process of getting it set up in the reclaim rooms as we speak.

We had two recent discharges from the WTP clearwells that will require notification on the 3<sup>rd</sup> quarter DMR. Both of the discharges were caused by negligence from the same plant operator, Jonnie Messenger. On August 4<sup>th</sup> lead operator Brian Billick was contacted by Jonnie Messenger about a discharge that occurred the night prior as a result of her falling asleep while the clearwell was filling in preparation for her next shift. Jonnie was reprimanded and nearly terminated however due to level of training we had invested into her we decided to extend her probation period. On September 1<sup>st</sup> at 5:35 am myself, Barbara and Brian received an email from Jonnie notifying us of a second discharge and notice of her resignation. She resigned during her shift, luckily the guys were able to scramble and get it covered. Our only assumption is she fell asleep a second time, she would not communicate with us and sent her belongings back via priority mail.

We are still having issues with MAU 101's AC condensing unit, for a second time it has blown a hole in the coil and stopped working. Garney made the appropriate calls and work to repair the unit has begun, the technician said the prior repair looked to be done improperly and said he could fix it right. We also still continue to have sporadic valve issues at the plant, some are new and many are reoccurring. Garney is working with the supplier and manufacturer to get the issues resolved in a timely manner.

American Demolition is continuing with back fill of the old plant, demolition is 100% complete. There is yard pipe left to remove and the crushing operation needs to be mobilized and started. Their substantial completion date is September 23<sup>rd</sup>, I am doubtful that they will make that date and we have notified them they will be subject to liquidated damages after that date.

Reynolds Construction has not been issued a notice to proceed date for the WTP site improvements due to the uncertainty of American Demolition's completion date. A pre-construction meeting was held with Reynolds on September 6<sup>th</sup> and discussions were had if they could work concurrently while American Demolition finished up, they had some good ideas on how that could work and were going to get back to us with an answer.

In the month of August 47 million gallons of potable water was pumped to Roxborough and 7.5 million to Sterling Ranch.

## **Lift Stations**

The lift stations are running smooth, the channel grinder has made it safely to California to the JWCE repair shop. The grinder was diagnosed and found to need the whole scope of repair that was quoted, I have authorized that repair and the grinder should be back in a few weeks.

Troubleshooting on the odor bed at the Roxborough Lift Station continues, we are having issues with the odor blower overheating and slipping belts. We have come to the conclusion that the media will need replaced, this job will be done in the fall.

We continue to chase the leak at the Roxborough Lift Station up the wetwell wall. Garney continues to help us (for free) to make the necessary repairs to get the leak to stop. They have been onsite a total of 4 times making repairs, the leak stops for a few weeks and then resurfaces up the wall a few feet.

In August 18.4 million gallons of wastewater was pumped to LE/WWTP, 507 K was conveyed from Sterling Ranch.

## **Field**

The field remains busy again this month, the guys continue to get lots of locates between Roxborough, the Chatfield area and Sterling Ranch. There were 366 locates done in Sterling Ranch and 190 in Roxborough, they are doing an excellent job managing their workload.

We continue to install meters in the Village, our current inventory shows over 1025 meters have been installed to date. We had another meeting with Badger to address the meters that are having trouble in the park. They actually showed up to the meeting with an endpoint that had the new LTE-M technology that is promised to work. They were going to run some tests after the meeting to field test the technology, they anticipate it will be available late fourth quarter 2018/ early 2019. We have plenty of inventory to get us by until then and plenty of places in the Village where it can be utilized.

The 2018 Westside Side waterline replacement project is nearing completion. The contractor had some issues passing the BAC T tests in segment 3 mainline which delayed the schedule a bit. A WCD was issued to extend the final completion date by 20 days. Only services in segment 5 remain to be installed after successful Bacti tests are taken.

Compliance testing for the second round of Lead & Copper samples are underway, currently we have 48/60 samples collected and into the lab. We will continue to push and get the last 12. Testing for RNWDC and Dominion is complete.

Ravenna waterline project will start in November, bids were opened 9/6 and Redline was the apparent low bidder. TST will be looking through the bids before awarding.

PA13 continues to move slowly, they are now jack hammering the rock to lay the sewer line, production is around 1 – 20' stick of pipe laid per day.