

Operations Report

8/14/2019

Water Plant

The water plant is running smooth, average daily flows are around 2.0 MGD flows are inconsistent with the evening rain showers we have been getting. The plant is still being run at 6.0 MGD which is roughly 4200 GPM.

The backwash pond dewatering sludge is being looked at to determine if it's appropriate to sample the sludge to classify it and plan the removal.

We have entered an agreement with Petroleum Solids Handling to rent their mobile Centrifuge and get caught up on the sludge we have backed up from the new plant. Once we get dewatered we will develop a baseline on sludge generation/ MGD and design permanent dewatering around that.

Sterling Ranch had another tour of the facility with some planning folks from Douglas County and Douglas County schools as there is a proposed school site on the 27 acres just west of the treatment plant site. The tour went smoothly overall.

Still dealing with multiple HVAC and valve issues throughout the plant, the HVAC guys have committed to extend the warranty through 2019. We are now responsible for funding valve failures not related to the expansion as the original contract warranty has expired.

In July the WTP produced 67 million gallons of treated water, 18 million of that was produced for Sterling Ranch.

Lift Stations

The lift stations are running smooth, the parts for pump 202 shipped from Kansas City on the 12th of August and we expect them to arrive soon and reassembly to begin. Hopefully the pump is back into operation towards the end of August at the latest.

The new pressure sustaining valve for the transition vault is scheduled to be installed by Garney on 8/17.

HPM has begun the paving project at the lift station, work completed thus far working on the over excavation of the site's subgrade.

In July we pumped 21 million gallons of wastewater to Littleton/ Englewood, 1.2 million was conveyed for Sterling Ranch.

Field

In the month of July 632 locates were responded to, 342 for Sterling Ranch & 219 for RWSD.

Field staff continues replacing meters, today we have approximately 1304 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 92 installed in Chatfield East, 40 installed in Chatfield Acres and 26 in PVH. 28 new connections occurred last month. The meters continue to have troubles reading in the Park. We have reached out to Ferguson Waterworks to see what their solution would be. They have stated that the only thing they think will work is a fixed network using RF technology, like we are phasing out, and meter relay stations at tanks and pump stations with repeaters to get the reads to the cloud and eliminate the drive route. We have humored them and requested a quote to put the infrastructure in.

Continued work in Ravenna is slated to start the week of 8/19 to work through more pressure related issues specifically for the existing houses who designed around higher pressures and now their systems are inadequate. Work related to this project will be a small bore on Cicero to extend a pressure zone to serve a few existing houses and the relocation and addition of some PRV's. All work related to this project will be run through the loan and ultimately be paid back through Ravenna's rates.

We have completed a small capital project where we replaced a hand full of valves and blow-off structures in the Village specifically in streets located off Village Circle West. Multiple issues have been identified that needed addressed but didn't require full waterline replacement as of yet.

We are working with Dominion and SR CAB on a solution to fix the entry road to the WTP, we have offered the road base that was the crushed concrete from the old plant as our contribution and looking for some collaboration from the other parties to provide the labor since they have had the majority of the traffic on the road that has beat it up over the last couple years.

Operations continue to get more confusing in Sterling Ranch as they are now putting both ways of operating valves in the ground, we thought the standard was open left however we now have encounters some open right valves. This has been brought to their attention to have a meeting.