

## Water Plant

The water treatment plant has been running smooth. Flows are consistently 1.5 MGD now, compared to 2.0 MGD over the summer.

Petroleum Solids dropped off the mobile centrifuge. We are renting the unit to dewater all of the built up sludge in the reclaim basins. This will be an ongoing task, once dewatered, they will pick up the unit. Moving forward we will use our bag unit to dewater any new sludge and develop a baseline of how much sludge per million gallons treated is produced. We will then plan accordingly on what the right piece of equipment needs to be purchased for long term dewatering.

The dewatered sludge from the old water treatment plant pond has reached a point where it was dry enough to test. 15 samples have been collected from the bags and surrounding grounds. They have been sent to the laboratory for analysis. Once we have the results we will work with CDPHE for disposal approval.

The fourth high service pump has been ordered for the water treatment plant, this pump will be installed to draw from the east clearwell which would allow us to take the west clearwell down for maintenance if necessary. Currently if the west clearwell was taken out of service we have no easy way to move water to zone 1. TST will prepare a bid packet for the installation of the pipe and electrical for bid early next year. We are also providing the VFD as it is the other long lead item.

In September we produced 57 million gallons of treated water, 14 million gallons was sent to Sterling Ranch.

## Lift Stations

The lift stations are running smooth. Waste water pump 202 is back from the shop, installed and back in service. We have a stainless steel impeller at this time, to see if it holds up better than the cast iron one that suffered greatly from the cavitation.

Proposals are being solicited for the fourth pump addition at the Lift Station. We will not be using the same brand of pump as currently installed due to cavitation issues. We are setting up site visits for similar high head conditions installs.

We are working with Mountain Peaks Controls to update our SCADA system at the Lift Station and adding some redundant radar level transmitters.

In September we pumped 19 million gallons of sewage to Littleton Englewood, almost 1 million was conveyed for Sterling Ranch.

## Field

The field remains busy once again this month, field staff responded to over 450 locates. The majority of locates were in Sterling Ranch.

New meters continue to be installed, we have once again ceased installations in the Park due to the poor success rate of the cellular technology. We have reached out to another vendor to request their proposed solution and have received a quote from them to install a fixed network within the Park. The quotation is in review by myself and Barb, we will bring it to the board when the time is appropriate if it is something we think is worth pursuing.

The paving portion of both Lift Station and Zone 3 are complete. We will have some punch list items to be taken care of. They are doing erosion control at both sites. Still waiting on the gate to be installed at the Lift Station.

Sterling Ranch construction is keeping the field guys super busy as well with all of the chlorine and bacteria testing we are performing for new pipe installation. We are considering this heavily when preparing the 2020 budget for contract operations. We may bump up the FTE's within that contract to reflect the workload over there, additional field staff may also need considered.