

Operations Report 10-17-18

Water Plant

The water plant is running smooth, the flows are beginning to decrease with the colder weather moving in. Daily flows are currently around 1.4 MGD, with minor changes to the operation strategy we have begun to resolve some of the issues with short filter runs and reclaim storage issues. By decreasing the filter production expectations we are backwashing them more often, in turn keeping them fresher and the GPM production rates high. Since we are backwashing those more often they are not getting as dirty and the backwashes are able to be significantly shorter. With a combination of the two things above we have been able to address two operational issues we were having.

We have performed the start-up on the Drimad dewatering system that we purchased used from Bailey Water & Sanitation District. The start-up went well and the system seems to operate very well, we will process the sludge through the Drimad system moving forward and see if it is able to keep up with our current sludge production. This pilot test will drive future decision on sludge dewatering equipment/ technologies.

The contract with Veris has been executed by Barbara for the dewatering of the sludge in the old water treatment plants backwash pond. Using a membrane liner the contractor will install a staging area where the dewatering Geo-tubes will sit, sludge will be pumped into them for storage while they dry. We will then test the dried sludge in an attempt to invalidate the wet sludge data and find out what our options for disposal are. The contractor has indicated the work will take right around 30 days, they have not mobilized to the site yet.

American Demolition has completed their work, they have one final punch list item to address in which we kept \$14,000 of their retainage to ensure that happens.

Reynolds has started the site improvement work at the water treatment plant. They have completed the water line installation to loop the site and it is currently under testing. They have started the sewer line work and will start the site grading as soon as the sewer is done. So far they seem to be a good contractor to have working for us.

The new water plant has received two awards this past month, we received third place in the Rocky Mountain Sections Annual Conference water taste test and we received an award for 2018 project of the year in Water & Waste Digest magazine.

In the month of September we treated 52 million gallons of water, 6.8 million gallons was treated and sent to Sterling Ranch.

Lift Stations

The lift stations are running smooth. The operators have determined the odor blower failure issues that we have been experiencing is a result of the media. We believe that over the years as the media has broken down and we have added new it has become too dense to push air through causing the blower to fail. We plan to do a full media replacement in the near future, in the meantime the existing media has been roto-tilled to break it up and allow the air to pass.

The Muffin Monster channel grinder has returned from getting rebuilt, plan to get the grinder reinstalled soon as the work load allows. The operators took the task of removing it and reinstalling it on saving the district money paying someone else to do it.

Field

The field remains busy this past month with lots of locates in both Roxborough and Sterling Ranch.

The guys continue to set meters in the Village as part of our 2018 replacement program we now have over 1000 meters active as we wrap up year 3 of the program. The new technology that promises coverage throughout the park is in its beta testing mode as we speak. The prototype has been tested in areas deep in the park and had satisfactory results so we anxiously await its release.

Roxborough Village Waterline replacement project has been completed, Redline has a few punch list items to address but has demobilized from the staging area. The project was a big success and props to the field staff for successfully performing all the field inspections also saving the district money in this year's budget.

The Ravenna Improvements project has been awarded to Redline Pipeline, we are excited to work with them again on this project.

Compliance sampling for Lead & Copper is nearly complete we currently have 56/60 samples collected for the year.

PA 13 continues to move at a snail's pace, they have all the sewer installed and are completing the second water tie – in this week.