

Water Department
March, 2016
Monthly Report

Operational

1. The plant operated throughout the month and complied with all state and federal requirements for water quality and reporting.
2. All distribution system flows and pressure needs, for both fire protection and the water customers, were met.

Maintenance and Improvements

1. The staff performed all required preventative maintenance during the month.
2. Elkhead work by the staff this month consisted of routine maintenance and inspections. The River District's contractor was in throughout the month to work on the repair of the valve stem guides in the tower. The water department assisted in this project, which amounted to about 108 man hours of the staff's time this month.
3. SGM continued to work with the staff on various engineering projects for the city. They included the Lariat Lift Station replacement project, the Barclay and Sandrock tank repair project, the distribution system study for the minimum chlorine residual requirement, and of course phase 3 of the Shadow Mountain Project.
4. One of the water plant staff attended a week long advanced water operator course this month to acquire training units to recertify, and to keep up with the latest in technology and regulations regarding potable water treatment.
5. Semi-Annual DAF system cleaning and maintenance was performed by the staff this month to get ready for the spring runoff season.
6. Finally, throughout the month the staff assisted or worked with other city departments, vendors, customers, and contractors as needed. The staff continued to work on building & grounds maintenance, equipment repair, and the cross connection control program.

Distribution System Operation/Maintenance

1. All service lines and water mains were located and marked as required. There were 7 line locates required and completed this month.
2. All work orders, and service line inspections requested or scheduled were completed.
3. Distribution system work performed by the staff this month in the Shadow Mountain area included rebuilding the 9th Street PRV, installing 2 protective bollards at the fire hydrant just off of 9th Street, and assisting Rundle by shutting down the water system on Sequoia at Aspen so they could repair a water leak (a phase 1 warranty issue).
4. The valve exercising program was worked on by the staff this month with 5 valves being exercised.
5. The staff repaired 3 water main breaks that occurred during the month.

6. Service line issues completed this month by the staff included replacing 1 curb stop valve and riser.
7. Finally, the staff continued to assist other city departments and contractors as needed. The staff cleaned the shop, office area, vehicles, performed minor repair and maintenance work on various shop equipment, and on all bulk water sales stations.

Note: The staff was able to perform their regularly scheduled maintenance this month. They were able to assist contractors, and complete all emergency assignments as required.

Water Production Statistics
03-01-16 to 03-31-16

Effluent Total Flow = 26,793,000 gallons	Total Chemical Cost = \$ 3,739.98
Backwash Total Flow = 928,700 gallons	Total Chemical Cost/Mg = \$ 134.91
Total Flow = 27,721,700 gallons	Alum & Ash Cost/Mg = \$ 92.17

(Backwash Flow % of Total = 3.35%)

The Craig Municipal Water Treatment Plant utilizes water rights for municipal use. These included direct flow diversions from the following:

Craig Irrigation Ditch
Fortification Creek Ditch

Deep Cut Ditch
Craig Water Supply System