

Water Department
July, 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 staff continued to make release rate decreases during the month when directed by the river district.
3. CorrPro came in early this month to do the inspection of the cathodic protection systems at 3 of the water storage tanks in the water distribution system. A few of these systems required some repair parts, so the staff has ordered the recommended parts and will install them as soon as possible after they arrive.
4. SGM and staff continued to work on numerous water and wastewater projects during the month. This included doing an enhanced coagulation study at the water plant to see if this method of treatment would help maintain compliance with the water distribution system minimum chlorine residual requirement, also worked on was construction management for the Lariat Lift Station Replacement Project, the East Kum & Go Project, and the Barclay Tank Repair Project.
5. Phase 3 of the Shadow Mountain Project continued this month. The water department staff's work this month included doing water quality testing on the new main from Maple to Aspen on Sequoia, and by the end of the month the staff began installing the overland water services in the last block of Sequoia from Aspen to MCR#7 (bypass).
6. Restruction Corporation was in all month to work on the 1.0 MG West Barclay Tank repair project. The staff assisted as needed throughout the month.
7. YVEA was also in during the month to continue preparation work for the water plant transformer replacement project.
8. 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 25 line locates required and completed this month.
2. All work orders, and service line inspections requested or scheduled were completed.

3. The fire hydrant maintenance and replacement program was worked on by the staff. They replaced 3 fire hydrants, and flushed 3 fire hydrants during the month.
4. The valve exercising program was worked on by the staff this month with 6 valves being exercised.
5. The staff repaired 1 water main break during the month.
6. Finally, the staff continued to assist other city departments and contractors as needed. The staff also performed preventative maintenance 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
07-01-16 to 07-31-16

Effluent Total Flow = 104,003,000 gallons	Total Chemical Cost = \$22,671.60
Backwash Total Flow = 3,275,600 gallons	Total Chemical Cost/Mg = \$ 211.33
Total Flow = 107,278,600 gallons	Alum & Ash Cost/Mg = \$ 107.28

(Backwash Flow % of Total = 3.15%)

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