

Water Department
August, 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 started making release rate increases as directed by the river district for the endangered fish program. The staff also worked on trying to restore SCADA communication between Elkhead and the water plant. Parts have been ordered by staff and will be installed once they arrive to hopefully correct the problem and restore communication.
3. Restruction Corp's work on the Barclay Tank repair project was completed this month. The tank was disinfected, refilled, and put back in service. The Sandrock Tank was then taken out of service for repairs (inside ladder replacement). This tank was finished by the end of the month. It was disinfected, refilled, and put back in service on 9-6-16.
4. The Pineridge Tank was taken out of service and drained at the end of the August for various internal and external structural repairs. This tank will remain out of service until about mid October so the contractor MMI Tank can make the required repairs.
5. The leaking bulk sodium hypochlorite tank was taken out of service, drained, and removed by the water department staff. The new replacement tank was delivered and installed by PEC and their subcontractors who finished up by September 1, 2016. The staff will finish hooking up the vent and other piping to this tank, and put the new tank in service by the middle of September.
6. Anson Excavation finished replacing the water main on Texas Avenue this month. The staff assisted as needed and performed the water quality testing on the new main so it could be put into service near the end of the month.
7. YVEA continued this month with preliminary work including setting up meters on the transformers to record demand and help determine size of the new transformer(s) that will be needed. Actual replacement work is still scheduled for later this fall.
8. The staff finished developing the water and wastewater 2017 budget recommendations this month.
9. SGM and staff continued to work on numerous water and wastewater projects during the month. This included continuing the enhanced coagulation study, also worked on was construction management for the Lariat Lift Station Replacement Project, the East Kum & Go Project, and the Barclay & Sandrock Tanks Repair Project.

10. Phase 3 of the Shadow Mountain Project continued this month. The water department staff's work this month included removing the overland water services from Maple to Aspen on Sequoia, and finished installing the overland water services in the last block of Sequoia from Aspen to MCR#7 (bypass).
11. 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 12 line locates required and completed this month.
2. All work orders, and service line inspections requested or scheduled were completed.
3. The fire hydrant flushing, maintenance, and replacement program was worked on by the staff. They flushed 6 fire hydrants during the month.
4. The valve exercising program was worked on by the staff this month with 15 valves being exercised.
5. The staff repaired 1 water main break, and installed (1) 1" water tap and service to the curb stop during the month.
6. The staff assisted contractors working on the new East Kum and Go Project, and the Texas Avenue water main replacement project. The staff performed water main shutdowns as needed for these locations, on several occasions, to allow these projects to continue to move forward.
7. 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

08-01-16 to 08-31-16

Effluent Total Flow = 91,584,000 gallons	Total Chemical Cost = \$17,063.96
Backwash Total Flow = 2,403,000 gallons	Total Chemical Cost/Mg = \$ 181.56
Total Flow = 93,987,000 gallons	Alum & Ash Cost/Mg = \$ 91.68

(Backwash Flow % of Total = 2.62%)

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