

**Water Department**  
**August, 2018**  
**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. Throughout the month the staff continued making release rate changes, as needed, for the endangered fish program. Inland Services came in near the end of the month to repair the stem guides on the moveable fish screen. The staff assisted, as required, and also checked for proper operation after the repairs were completed.
3. Anson Excavating continued working on the water main replacement project this month. They worked on and completed the 13<sup>th</sup> Street main replacement by the end of the month. The water department staff did water quality testing, and the pressure testing of the new main was also completed. The service lines were then installed, and then Anson prepared to move to Ridge Road for the final water main replacement phase for this 2018 water system improvement project.
4. The staff along with RFC held an open house for the water and wastewater departments on 8-25-18 for the water and sewer rate study. The staff highlighted equipment replacement, and on upcoming capital projects facing the water and wastewater departments for the next 10 years.
5. The staff continued to work with SGM on various ongoing water and wastewater projects throughout the month. These included the; 0.2 mg/l Minimum Chlorine Compliance Requirement, Roundbottom Tank improvements and painting, and the Sludge Line Replacement Projects.
6. CorrPro came in this month to perform inspection and service work on three of the water storage tanks' cathodic protection systems.
7. The staff continued to assist or work with other city departments, vendors, customers, and contractors as needed. The staff also worked on building and grounds maintenance, equipment repair, and the cross connection control program.

**Distribution System Operation/Maintenance**

1. There were 88 line locates requested and completed this month. This required approximately 66.0 man-hours to complete.
2. All work orders, meter readings, meter tech appointments, distribution of nonpayment door hangers, and service line inspections requested or scheduled were completed.

3. Miscellaneous water department work by the staff this month included; completed 32 final meter reads, completed 25 service turn offs/ons, and repaired 7 meters/MXU's.
4. The staff repaired 1 leaking curb stop valve.
5. The staff also repaired a leak in the sewer force main leaving the water plant.
6. The staff continued the valve exercising program this month with 36 valves being exercised.
7. The staff worked with SGM on uni-directional flushing of fire hydrants on the west side of the city. There were 25 fire hydrants flushed for this section of the UDF program.
8. The staff was able to perform their regularly scheduled work on the distribution system, bulk water sales stations, and equipment maintenance during the month. They were able to assist contractors, other city departments, and complete all emergency assignments as required.

### Water Production Statistics

Effluent Total Flow	86,218,000 gallons	Total Chemical Cost	\$17,432.95
Backwash Total Flow	2,326,500 gallons	Total Chemical Cost/MG	\$ 196.88
Total Flow	88,544,500 gallons	Alum & Ash Cost/Mg	\$ 103.61

(Backwash Flow % of Total = (2.70%))

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

# Monthly Report

Wastewater

August 2018

## A. Treatment – Operation:

1. Operated treatment plant to comply with State and Federal regulations.
2. Performed daily, weekly, and monthly maintenance as recommended in the manufacturer's manuals.
3. Treated average of 841,000 gallons/day of wastewater.
4. Received and treated 9,925 gallons of hauled waste.
5. Biosolids are dry and waiting for land application.

## B. Collection – Operation:

1. 30 man hours used to perform 59 line locates.
2. 24 man hours used to hydraulically clean 3,575 feet of sewer main as part of routine (every 5 weeks) maintenance.
3. 16 man hours used to hydraulically clean 1,850 feet of sewer main as part of an Annual Cleaning Program.

## C. Collection – Correction

None

## D. Other:

1. Assisted other departments as needed.
2. Assisted local plumbers and contractors as needed.
3. Analyzed Maybell's Wastewater Plant monthly samples.