

**Water Department  
September, 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 work throughout the month on making release rate changes that were required for the endangered fish program. The spillway fish net installation project commenced near the middle of the month, and was completed by the end of September. Water department staff assisted on this project as needed.
3. The Pineridge Tank modification and repair project did not start as originally planned this month. This project will be postponed until late spring in 2017. Until then, the tank will be disinfected, refilled, tested, and put back in service in October.
4. YVEA continued to work throughout the month on the water plant transformer replacement project. The new transformer was ordered and YVEA is still working with the city water department staff to make sure the system they are planning on installing is acceptable to the city before they commence with the actual installation. This project installation work is planned for late October and early November.
5. SGM and staff continued to work on numerous water and wastewater projects during the month. This included continuing the enhanced coagulation study, and they also worked on construction/project management for the East Kum & Go Project and the Pineridge Tank Modification and Repair Project.
6. Phase 3 of the Shadow Mountain Project continued this month. The water department staff's work this month included installing the overland water services to Sunrise Lane, and 2 homes on the west side of MCR#7 across from Maple Street.
7. Near the end of the month, one of the new water plant operators took and passed the state level "C" certification exam.
8. Near the end of the month a group of students from the Colorado School of mines toured the water plant.
9. CSU representatives came in this month to do the annual fishery study in the Yampa River near the water plant. They indicated some positive discoveries during this year's visit.
10. 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 8 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 replaced 2 fire hydrants during the month.
4. The valve exercising program was worked on by the staff this month with 25 valves being exercised.
5. The staff repaired 2 water main breaks, installed (1) 1" water tap and service to and including the curb stop, and replaced 1 curb stop valve and riser 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

09-01-16 to 09-30-16

Effluent Total Flow	= 64,333,000 gallons	Total Chemical Cost	= \$12,738.07
Backwash Total Flow	= 2,016,200 gallons	Total Chemical Cost/Mg	= \$ 191.99
Total Flow	= 66,349,200 gallons	Alum & Ash Cost/Mg	= \$ 91.91

(Backwash Flow % of Total = 3.13%)

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

September 2016

## **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 857,000 gallons/day of wastewater.
4. Received and treated 13,250 gallons of hauled waste.
5. Sludge land application is complete.

## **B. Collection – Operation:**

1. 10 man hours used to perform 15 line locates.
2. 24 man hours used to hydraulically clean 3575 ft. of pipe as part of routine (every 5 weeks) maintenance.

## **C. Collection – Correction**

1. 1.5 man hours used to respond to a backup complaint at 551 6<sup>th</sup> Ave. West. The main was inspected and found to be flowing well. The main was hydraulically cleaned for good measure, no obstructions were found. Determined to be homeowner's issue.

## **D. Other:**

1. Assisted other departments as needed.
2. Assisted local plumbers as needed.
3. Assisted contractors and engineers on our projects as needed.