Water Department
October, 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 releases for the endangered fish program ended near the beginning of the month. The staff started getting the dam facilities ready for winter.
3. The Pineridge Tank modification and repair project was postponed until May 2017 due to delays in getting this project started and completed on time. This tank was disinfected, refilled, water quality checked, and put back in service by the middle of the month.
4. YVEA continued to work throughout the month on the water plant transformer replacement project. One of their subcontractors bored through an existing underground conduit and damaged the electrical wires. This will now need to be repaired. Some issues/problems with this project are still being resolved as of this report, but hopefully the project can still be completed before January.
5. SGM and staff continued to work on numerous water and wastewater projects during the month. This included continuing the enhanced coagulation study, and construction/project management for the East Kum & Go Project.
6. Phase 3 of the Shadow Mountain Project continued this month. The water department staff's work this month included removing all the overland water services, and assisting with the subdivision shutdown for the removal of the PRV on 9th Street.
7. Sunset Elementary 5th Grade students came in early in the month and toured the water plant. They seemed to enjoy the tour very much.
8. Paving of the 1st Street Bulk Water Sales Station by Elam occurred this month. The City Road & Bridge Department did all the prep work before this paving was done.
9. 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 18 line locates required and completed this month.

2. All work orders, and service line inspections requested or scheduled were completed.
3. The staff worked on all bulk water sales stations during the month. This work included rebuilding the 3" loading arm and the repair of the loading pads heating system at the 1st Street station, and also they installed new batteries in the UPS for the computer at the north station.
4. The valve exercising program was worked on by the staff this month with 12 valves being exercised.
5. The staff repaired 2 water main breaks, and replaced 1 curb stop riser during the month.
6. Finally, the staff continued to assist other city departments and contractors as needed. This work included replacing the sewer service line at 1085 Washington Street, and some SCADA system prep work at both the Lariat Lift Station and the 10th & Legion Pump Station.

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
10-01-16 to 10-31-16

Effluent Total Flow	= 33,687,000 gallons	Total Chemical Cost	= $ 4,596.58
Backwash Total Flow	= 1,012,300 gallons	Total Chemical Cost/Mg	= $ 132.47
Total Flow	= 34,699,300 gallons	Alum & Ash Cost/Mg	= $ 84.07

(Backwash Flow % of Total = 3.01%)

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

October 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 805,000 gallons/day of wastewater.
4. Received and treated 11,200 gallons of hauled waste.
5. We had our three-year Colorado Department of Public Health and Environment Compliance Enforcement Inspection (CEI), and we passed.

B. Collection – Operation:

1. 9 man hours used to perform 13 line locates.
2. 24 man hours used to hydraulically clean 3575 ft. of pipe as part of routine (every 5 weeks) maintenance.
3. 6 man hours used to hydraulically clean 2049 ft. of pipe as part of an annual maintenance program.
4. 6 man hours used to apply herbicide to 1800 ft. of pipe as part of a three year program.

C. Collection – Correction

1. 1 man hour used to respond to a backup complaint at 2075 A Street. The sewer main was inspected and found to be flowing well. Homeowner's cleanout was inspected and found to be flowing well also. Determined to be homeowner's issue.
2. 1.5 man hours used to respond to a backup complain at 828 Ranney called in by a local plumber. The main was hydraulically cleaned and a small blockage was cleared (the blockage appeared to be at the tap as it entered the main). No property damage occurred.

D. Other:

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