

**Water Department
March, 2021
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.
3. The staff continued working on various end of year operational reports for the health department (CDPHE) this month.
4. Various staff training efforts continued this month. This included taking online classes for certification renewal, and traveling to Grand Junction or Denver for training and/or to take certification exams.
5. The staff continued working with SGM throughout the month on a few equipment warranty matters, along with two unresolved issues related to the chloramine project. The staff also had to make several repairs at both booster chloramine stations during the month. These repairs dealt mostly with chemical crystallization problems in the chemical feed lines.
6. A Calgon Corp representative came in this month to service all of the filter UV systems, and also provided comprehensive training for all of the water plant staff on the proper methods of operating and maintaining these systems.
7. A CorrPro representative came in this month to inspect and service two of our water storage tanks' cathodic protection systems.
8. 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 (including snow removal), equipment repair, and the Cross Connection Control Program.

Distribution System Operation/Maintenance

1. There were 75 line locates requested and completed this month. This required approximately 56.0 man-hours to complete.
2. All work orders, meter readings, meter tech appointments, distribution of nonpayment door hangers, nonpayment water service shut offs, and service line inspections requested or scheduled were completed.

3. Miscellaneous water department work by the staff this month included, completing 25 final meter reads, 27 service turn offs/ons (13 non-payment, 0 seasonal, 13 repair work, and 1 new), and 3 meters/MXUs were repaired or replaced.
4. During the month the staff repaired (2) water main breaks, and continued the valve exercising program by working 25 valves. The staff also installed new check valves at the Finley Pump Station.
5. The staff were able to perform their regularly scheduled work on the distribution system, completed routine inspections, maintenance, or repairs on all pump and bulk water sales stations, and worked on various equipment maintenance tasks 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	26,086,000 gallons	Total Chemical Cost	\$ 5,949.25
Backwash Total Flow	804,200 gallons	Total Chemical Cost/MG	\$ 221.24
Total Flow	26,890,200 gallons	Alum & Ash Cost/Mg	\$ 113.02

(Backwash Flow % of Total = (2.99%))

The Craig Municipal Water Treatment Plant utilizes water rights for municipal use. These included direct flow diversions from the following:

Craig Irrigation Ditch	Deep Cut Ditch
Fortification Creek Ditch	Craig Water Supply System

Monthly Report

Wastewater

March 2021

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 871,000 gallons/day of wastewater.
4. Received and treated 600 gallons of hauled waste.

B. Collection – Operation:

1. 56 man hours used to perform 75 line locates.
2. 32 man hours used to hydraulically clean 0.75 miles of sewer main as part of routine (every 5 weeks) maintenance.
3. 30 man hours used to hydraulically clean 1.28 miles of sewer main as part of an annual cleaning program.

c. Collection – Correction

1. 1.5 man hours used to respond to a backup complaint at 637 E. Victory Way. The main was inspected and found it to be flowing well. Operator hydraulically cleaned the main for good measure and did not encounter any obstacles. Determined to be homeowner's issue.

D. Other:

1. Assisted other departments, local plumbers, and contractors as needed.
2. Analyzed Maybell's Wastewater Plant monthly samples.
3. Safety meeting attended by all Wastewater personnel.