

**Water Department
September, 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. The staff continued making release rate changes as requested by the river district for the endangered fish program, and to help augment water levels in the Yampa during low flow conditions.
3. UGSI/PSI representatives came in this month to work on some warranty repairs to the chemical feed pump skids they installed as part of the chloramine project. They also came back early in October after parts and materials came in to hopefully correct this one particular warranty issue. Municipal Treatment & Equipment is due here in November to do warranty repairs on a different section of the chemical feed system. They are the responsible vendor or subcontractor who is required to correct this issue.
4. WBS Coatings were in all month working on the North Glen Erie Tank Rehabilitation and Improvement Project.
5. McKistry started work near the end of the month on the installation of the solar arrays at the water and wastewater plants. They estimate that the installation of the arrays will be completed by around the middle of October, with tie ins to the YVEA grid and training of the city staff to take place through the middle of November.
6. Several of the water department staff attended safety and/or environmental training classes during the month.
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 86 line locates requested and completed this month. This required approximately 65.0 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 31 final meter reads, 16 service turn offs/ons (8 non-payment, 0 seasonal, 4 repair work, and 4 misc.), along with 23 meters/MXUs that were repaired or replaced.
4. During the month the staff repaired (1) service line, and removed (1) meter pit.
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	68,686,000 gallons	Total Chemical Cost	\$17,131.84
Backwash Total Flow	1,419,600 gallons	Total Chemical Cost/MG	\$ 244.37
Total Flow	70,105,600 gallons	Alum & Ash Cost/Mg	\$ 129.89

(Backwash Flow % of Total = (2.07%))

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

September 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 768,000 gallons/day of wastewater.
4. Received and treated 3,075 gallons of hauled waste.
5. Drying of Biosolids continues.

B. Collection – Operation:

1. 64 man hours used to perform 86 line locates.
2. 36 man hours used to hydraulically clean 0.75 miles of sewer main as part of routine (every 5 weeks) maintenance.
3. 67 man hours used to hydraulically clean 4.2 miles of sewer main as part of an annual cleaning program.

c. Collection – Correction

1. 1 man hour used to respond to a backup complaint at Craig Middle School. The mains on Rose and 9th Streets were inspected and found to be flowing well. It was determined that the issue was on school grounds.

D. Other:

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