

Water Department

August, 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. The staff continued working with SGM throughout the month on a few equipment warranty matters related to the chloramine project.
4. The water department staff continued working on and/or preparing for various summer & fall projects. The projects included are the regional solar project whose construction starting date has been delayed until September 20th for the WWTP and September 27th for the WTP, the water main replacement project was delayed again this month because we are still awaiting delivery of materials to even get started, the Sewer Main Rehab Project after a brief pause near the end of the month is slated to start back up in September and be completed by October 1st, the Chloramine System Improvement Project has been delayed until October awaiting the delivery of the alternate chemical feed equipment, and the North Glen Erie Tank Improvement Project started in the beginning of the month, and is progressing nicely. This tank project is scheduled for completion by mid-October.
5. 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 93 line locates requested and completed this month. This required approximately 70.0 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 30 final meter reads, 11 service turn offs/ons (6 non-payment, 0 seasonal, 2 repair work, and 3 misc.), along with 2 meters/MXUs that were repaired or replaced.
4. During the month the staff installed a 1" water tap for the hospital, and replaced the 3" hose at the 1st Street bulk water sales station. The staff also worked on the fire hydrant maintenance, repair, and replacement program this month. This included replacing and relocating fire hydrant D33 on Wickes Avenue. The old fire hydrant was leaking, and in a location too close to other utilities for the new fire hydrant to be safely installed in the same spot.
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	83,459,000 gallons	Total Chemical Cost	\$23,559.22
Backwash Total Flow	2,079,200 gallons	Total Chemical Cost/MG	\$ 275.42
Total Flow	85,538,200 gallons	Alum & Ash Cost/Mg	\$ 131.53

(Backwash Flow % of Total = (2.49%))

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

August 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 795,000 gallons/day of wastewater.
4. Received and treated 1,650 gallons of hauled waste.
5. Drying of Biosolids continues.

B. Collection – Operation:

1. 70 man hours used to perform 93 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. 35 man hours used to hydraulically clean 1.94 miles of sewer main as part of an annual cleaning program.
4. 2.5 man hours used to apply herbicide in 900 feet of sewer main as part of an annual root preventative program.

c. Collection – Correction

1. None.

D. Other:

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