

**Water Department
August, 2020
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 started making releases for the endangered fish program on August 7th, and then near the end of the month for Tri-State after the state put a call on the Yampa River due to low flow conditions.
3. The staff continued working with Velocity and SGM throughout the month trying to resolve the outstanding punch list items as well as some warranty issues that surfaced during the month.
4. The staff worked on developing the water and wastewater 2021 budget requests throughout the first half of this month.
5. The Small Barclay Tank Repair and Improvement Project started and was worked on by WBS Coatings Inc throughout the month. This project is progressing nicely with most of the interior work being completed by the end of the month. The seals and other materials for the chrome dome roof repair of this tank are due in around the middle of September, which puts this tank on schedule to be refilled and back in service in early October.
6. 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 on the Cross Connection Control Program.

Distribution System Operation/Maintenance

1. There were 178 line locates requested and completed this month. This required approximately 133.5 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 34 final meter reads, 31 service turn offs/ons (1 new service, 12 non-payment, 1 seasonal, 15 repair work, and 2 other), and 0 meters/MXUs needed to be repaired.

4. The staff worked on several miscellaneous projects during the month. These projects included continuing to work on the valve exercise program by working 30 system valves. They continued to work on the fire hydrant flushing and maintenance program, and a total of 6 fire hydrants were flushed during the month.
5. This month the staff also repaired (8) water main breaks during the month. There were multiple breaks on a section of water main on East Hwy 40 and on 6th Ave W this month. Due to the extremely poor condition of both of these water mains they are now scheduled to be replaced this fall.
6. The staff were able to perform their regularly scheduled work on the distribution system, all bulk water sales and pump stations inspections or repairs, and completed 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	99,232,000 gallons	Total Chemical Cost	\$23,777.39
Backwash Total Flow	2,316,000 gallons	Total Chemical Cost/MG	\$ 234.15
Total Flow	101,548,000 gallons	Alum & Ash Cost/Mg	\$ 124.83

(Backwash Flow % of Total = (2.33%))

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

August 2020

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 812,000 gallons/day of wastewater.
4. Received and treated 3,300 gallons of hauled waste.
5. Biosolids were land applied.

B. Collection – Operation:

1. 134 man hours used to perform 178 line locates.
2. 24 man hours used to hydraulically clean 3,575 feet (0.68 miles) of sewer main as part of routine (every 5 weeks) maintenance.
3. 26.5 man hours used to hydraulically clean 9,584 ft (1.81 miles) of sewer main as part of an annual cleaning program.
4. 44.75 man hours used to apply herbicide to 16,275 ft (3.08 miles) of sewer main as part of an annual herbicide application program.

c. Collection – Correction

1. 3 man hours used to respond to a backup complaint at 381 Rose St. Homeowner stated that sewage was backing up into their basement. The main was inspected and found to be flowing well. Operators hydraulically cleaned the line for good measure, but it did not change the flow. Determined to be homeowner's issue.
2. 2 man hours used to respond to a backup complaint at 888 Pershing St. Homeowner reported sewage coming up in cleanout. Operators hydraulically cleaned the main and sucked out quite a bit of gravel. The gravel possibly came from a water main break repair when the sewer main was being replaced. No damage was reported in home.
3. 2 man hours used to respond to a backup complaint at the County Shop. County Shop personnel reported that their service line was not draining. Operators hydraulically cleaned the main and sucked out quite a bit of sand and oil. Drainage in service line resumed.

4. 1 man hour used to respond to a backup complaint at 1060 Lincoln St. Homeowner reported that their service line was not draining. The main was inspected and found to be flowing well. Operator hydraulically cleaned the main and found no obstructions, and the flow did not change. 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.