

**Water Department
June, 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 state came in this month to do the annual dam inspection. City staff along with River District personnel were in attendance to assist as needed for this inspection. No major deficiencies were noted at this time. The staff also continued to make discharge release rate changes as requested by the river district to assist in this year's runoff season spillway spill control efforts.
3. The staff continued working on required CDPHE end of year reports. This included the Annual Consumer Confidence Report (2019 Water Quality Report) along with the Certificate of Delivery Report, the Annual Water and Wastewater SRF Eligibility Survey reports, and the Backwash Recycle Rule report. These reports were completed and/or submitted to CDPHE by the end of the month.
4. The staff worked with Velocity, their subcontractors, and SGM throughout the month on finalizing the chloramine conversion project. This included developing a punchlist of items that required repair. Once Velocity reported the repairs were completed a final walkthrough by all parties was performed. The staff also continued to work with CDPHE on providing analytical data from the city's water system showing how the conversion has progressed. This project finalization work dominated the city water department staffs' time during the month.
5. Throughout the month the water and wastewater staff also worked on the "Regional Solar Project" by gathering information that the consultant needed, and also attending a few Zoom meetings.
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 186 line locates requested and completed this month. This required approximately 140.0 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; completed 21 final meter reads, completed 16 service turn offs/ons (1 new service, 0 non-payment, 2 seasonal, 8 repair work, and 5 other), and repaired 5 meters/MXUs.
4. The staff worked on several miscellaneous projects during the month. These projects included continuing the valve exercise program by working 56 system valves, and they also performed the quarterly inspections on all water storage tanks. The staff continued performing Uni-Directional Flushing (UDF), along with the normal annual fire hydrant flushing program on the east side of the city. A total of 32 fire hydrants were flushed during the month. The Hurco valve turning trailer was returned to staff this month after a lengthy warranty repair effort by the company that sold us this piece of equipment.
5. The staff also repaired (3) water main breaks, replaced (1) curb stop valve and riser, replaced (1) curb stop box, and installed a 1" tap on 4th Street for the parks department this month.
6. The staff was able to perform their regularly scheduled work on the distribution system, bulk water sales stations, and equipment maintenance 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	81,554,000 gallons	Total Chemical Cost	\$22,666.26
Backwash Total Flow	1,982,500 gallons	Total Chemical Cost/MG	\$ 271.33
Total Flow	83,536,500 gallons	Alum & Ash Cost/Mg	\$ 161.86

(Backwash Flow % of Total = (2.43%))

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
June 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 899,000 gallons/day of wastewater.
4. Received and treated 7,855 gallons of hauled waste.
5. Biosolids are drying in preparation for land application.

B. Collection – Operation:

1. 140 man hours used to perform 186 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. 123 man hours used to hydraulically clean 36,043 ft (6.83 miles) of sewer main as part of an annual cleaning program.
4. 27 man hours used to apply herbicide to 9,820 ft (1.69 miles) of sewer main as part of an annual herbicide application 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.
3. Safety meeting attended by all Wastewater personnel.