

**Water Department**  
**July, 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 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. This was completed by the middle of the month.
3. The staff continued working with Velocity, their subcontractors, and SGM throughout the month on finalizing the chloramine conversion project. This primarily included coordinating punchlist items repair work, and verification of corrective actions taken.
4. Two of the water plant staff took and passed state certification exams this month. One for water treatment operator (A), and the other for distribution operator (3).
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 on the Cross Connection Control Program.

**Distribution System Operation/Maintenance**

1. There were 140 line locates requested and completed this month. This required approximately 105.0 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 27 final meter reads, 33 service turn offs/ons (2 new service, 21 non-payment, 2 seasonal, 5 repair work, and 3 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 28 system valves. They continued to work on the fire hydrant flushing program, and a total of 12 fire hydrants were flushed during the month. Also, the fire hydrant repair, maintenance and replacement program was worked on by staff. During the month (1) fire hydrant was replaced, and (1) was repaired.

5. This month the staff also repaired (1) water main break, replaced (1) curb stop valve and riser, and replaced an entire service line (black iron) from the water main to the curb stop valve with new 1" K-copper.
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	92,736,000 gallons	Total Chemical Cost	\$22,978.95
Backwash Total Flow	2,285,500 gallons	Total Chemical Cost/MG	\$ 241.83
Total Flow	95,021,500 gallons	Alum & Ash Cost/Mg	\$ 136.07

(Backwash Flow % of Total = (2.46%))

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

July 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 826,000 gallons/day of wastewater.
4. Received and treated 3,650 gallons of hauled waste.
5. Biosolids are dry and waiting for land application.

### **B. Collection – Operation:**

1. 105 man hours used to perform 140 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. 81.75 man hours used to hydraulically clean 29,378 ft (5.56 miles) of sewer main as part of an annual cleaning program.
4. 37.25 man hours used to apply herbicide to 12,150 ft (2.30 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. Video inspection of the Town of Maybell's collection system was completed. The electronic deliverables are still in progress.
4. Safety meeting attended by all Wastewater personnel.