

**Water Department  
January, 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, inspections, and snow removal.
3. This month the water department staff hauled the 2019 sewer lagoon biosolids production to the Moffat County Landfill for final disposal.
4. The water plant staff continued working with the CDPHE conducting a corrosion study on the water plant effluent comparing the existing free chlorine disinfectant with the monochloramine disinfectant to try and determine if there are any differences in the corrosion rates for lead and copper.
5. The staff started working on year end reports that are required by both the city administration and CDPHE.
6. The water system and water plant upgrade project was the main focus of the water department staff this month. The staff assisted in shutdowns of the water distribution system for water main connections to the new MCR #7 dump valve vault, and water plant shutdowns required to install the new chemical feed pumps and systems.
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 on the Cross Connection Control Program.

**Distribution System Operation/Maintenance**

1. There were 28 line locates requested and completed this month. This required approximately 21.0 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 17 final meter reads, completed 41 service turn offs/ons (18 non-payment, 11 seasonal, & 12 repair work), and repaired 9 meters/MXU's.

4. The staff worked on a couple of miscellaneous projects during the month. These projects included plowing out pump stations and water storage tanks several times during the month to maintain access, and continuing the valve exercise program by working 10 system valves. The staff also took the 3" bulk water sales station out of service due to a faulty control valve. A replacement valve has been ordered, and once it arrives it will be installed so that this water sales station can then be put back in service.
5. 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	24,680,000 gallons	Total Chemical Cost	\$ 3,723.00
Backwash Total Flow	840,700 gallons	Total Chemical Cost/MG	\$ 145.88
Total Flow	25,520,700 gallons	Alum & Ash Cost/Mg	\$ 101.55

(Backwash Flow % of Total = (3.29%))

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

January 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 842,000 gallons/day of wastewater.
4. Received and treated 1,475 gallons of hauled waste.
5. 109.38 Dry metric tons of biosolids were taken to the Moffat County Landfill.

### **B. Collection – Operation:**

1. 14 man hours used to perform 28 line locates.
2. 24 man hours used to hydraulically clean 3,575 feet of sewer main as part of routine (every 5 weeks) maintenance.

### **C. Collection – Correction**

1. 1 man hour used to respond to a backup complaint at 29 E. Victory Way. Sewer was backing up into building. The main was inspected and found to be flowing well. Operators hydraulically cleaned the main for good measure, and did not run into any obstructions. Determined to be business owner's issue.
2. 1.5 man hours used to respond to a backup complaint at 518 Legion St. The main was inspected and found to be flowing well. Operators hydraulically cleaned the main for good measure, and did not run into any obstructions. 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.
4. The snow appeared to be never ending, as much time was spent in the removal of it.