

**Water Department  
May, 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 continued to make discharge release rate changes as requested by the river district to assist in the 2020 runoff season's spillway spill control.
3. The staff continued working on required CDPHE end of year reports.
4. The staff worked with Velocity, their subcontractors, SGM, and CDPHE throughout the month on the chloramine conversion plan. This dominated the city water department staffs' time during the month. The staff was finally able to start the chloramine conversion process on May 11<sup>th</sup>, and water distribution system water quality testing has indicated that the conversion process had been mostly completed by the end of May. Both the Sandrock and Roundbottom chloramine booster stations were up and running early in the conversion process, and both of these water storage tanks were put back in service on May 18<sup>th</sup> & 20<sup>th</sup> respectively. Near the end of the month the Large Barclay Tank was refilled, water quality testing was completed, and this water storage tank was put back in service on May 30<sup>th</sup>.
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 157 line locates requested and completed this month. This required approximately 118.0 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 13 final meter reads, completed 19 service turn offs/ons (1 new service, 0 non-payment, 4 seasonal, 5 other & 9 repair work), and repaired 6 meters/MXUs.

4. The staff worked on a couple of miscellaneous projects during the month. These projects included continuing the valve exercise program by working 68 system valves, and they also worked on replacing the exhaust fan at the Finley Pump Station. The staff continued assisting the contractors on the distribution portion of the chloramine conversion plan by performing Uni-Directional Flushing (UDF), and along with the normal annual fire hydrant flushing program on the east side of the city a total of 87 fire hydrants were flushed during the month.
5. The staff also repaired (1) water main break located at the Pineridge Pump Station, and replaced (1) curb stop valve 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	53,006,000 gallons	Total Chemical Cost	\$14,057.77
Backwash Total Flow	1,500,130 gallons	Total Chemical Cost/MG	\$ 257.91
Total Flow	54,506,130 gallons	Alum & Ash Cost/Mg	\$ 167.63

(Backwash Flow % of Total = (2.83%))

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

May 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 911,000 gallons/day of wastewater.
4. Received and treated 4,555 gallons of hauled waste.
5. Mixers were installed and put into service at the southwest lagoon.

### **B. Collection – Operation:**

1. 78.5 man hours used to perform 157 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. 92.5 man hours used to hydraulically clean 30,890 ft (5.85 miles) of sewer main as part of an annual cleaning program.

### **c. Collection – Correction**

1. 3 man hours used to respond to a backup complaint at Cedar Point Trailer Park. The main was inspected and found to be flowing well. Personnel hydraulically cleaned the main for good measure and didn't encounter any obstructions. The main was then video inspected and nothing was found to indicate that the backup incident originated in the sewer main. Determined to be Cedar Point'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.