

**Water Department
October, 2021
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. Endangered fish and river augmentation releases from the Elkhead reservoir ended at the beginning of the month.
3. Some chloramine project warranty repair work was completed this month. Additional repair work is scheduled for November.
4. WBS Coatings were in all month working on the North Glen Erie Tank Rehabilitation and Improvement Project. They completed this work by the end of the month. This tank was put back in service after it was disinfected and water quality testing was completed.
5. McKinsty continued to work on the Regional Solar Array Project at both the water and wastewater plants this month. At both locations the solar array/panel installation was completed by then end of October, this included the tie in to YVEA's metering cabinet. The only thing to complete is the actual physical tie in between the arrays and these metering cabinets, and this will hopefully be done by the end of November. Also, the lighting improvements portion of this project was almost completed at both sites this month. A few light fixtures had to be ordered, and are due to arrive by the middle of November. Once they arrive and are installed, and the remaining solar array connections have all been made, the system can then be tested. The staff feels this all should be completed, and the solar arrays up and running by the end of this year.
6. The IT Manager attended a week-long class on installation, O&M, repair, and programming of Siemens electronic equipment this month. A couple of the staff also attended OSHA training this month, along with talking online safety classes provided by CIRSA & JJ Keller.
7. The maintenance staff pulled the #1 pump at the 10th & Legion Pump Station this month, so they could perform a complete rebuild on this pump.
8. 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 the Cross Connection Control Program.

Distribution System Operation/Maintenance

1. There were 104 line locates requested and completed this month. This required approximately 78.0 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 21 final meter reads, 17 service turn offs/ons (5 non-payment, 10 seasonal, 1 repair work, and 1 misc.), along with 9 meters/MXUs that were repaired or replaced.
4. The staff continued to work on the distribution system valve maintenance program, and the fire hydrant maintenance program during the month. They exercised 30 valves, and performed unidirectional flushing on 12 fire hydrants.
5. The staff were able to perform their regularly scheduled work on the distribution system, completed routine inspections, maintenance, or repairs on all pump and bulk water sales stations, and worked on 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	34,423,000 gallons	Total Chemical Cost	\$ 7,099.90
Backwash Total Flow	964,800 gallons	Total Chemical Cost/MG	\$ 200.63
Total Flow	35,387,800 gallons	Alum & Ash Cost/Mg	\$ 111.34

(Backwash Flow % of Total = (2.80%))

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

October 2021

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 834,000 gallons/day of wastewater.
4. Received and treated 1,900 gallons of hauled waste.
5. Biosolids land application was completed.

B. Collection – Operation:

1. 78 man hours used to perform 104 line locates.
2. 36 man hours used to hydraulically clean 0.75 miles of sewer main as part of routine (every 5 weeks) maintenance.
3. 14.5 man hours used to hydraulically clean 0.77 miles of sewer main as part of an annual cleaning 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.