

Monthly Report

Wastewater

February 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 792,000 gallons/day of wastewater.
4. Received and treated 1,275 gallons of hauled waste.

B. Collection – Operation:

1. 36.5 man hours used to perform 49 line locates.
2. 24 man hours used to hydraulically clean 0.68 miles of sewer main as part of routine (every 5 weeks) maintenance.

c. Collection – Correction

1. 2 man hours used to respond to a backup complaint at 465 Steele. The main was inspected and found to be flowing well. The main was hydraulically cleaned and video inspected for good measure. It was determined that there are roots coming out of service line and tap. Determined to be homeowner's issue.
2. 8 man hours used to respond to water coming out of a manhole at 9th and Ashley. The main was inspected and found to not be flowing. Operators hydraulically cleaned the main and cleared an obstruction and flow was restored. Video inspection of the main revealed roots as being the obstruction. Operators cleaned the pipe numerous times to remove the roots. This section of the main will be added to areas treated with root killer pesticide, and further video inspection will be conducted to determine the cause of the root intrusion. There were no reports of damage to any homes.

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.

**Water Department
February, 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, inspections, and snow removal as needed.
3. The staff continued working on all year end operational, budget carry over, and health department (CDPHE & EPA) reports this month.
4. Various staff training efforts continued this month. This included certification renewal or exams, as well as IT and automation equipment training.
5. The staff continued working with SGM throughout the month on some equipment warranty matters, along with a couple unresolved issues related to the chloramine project.
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 (including snow removal), equipment repair, and the Cross Connection Control Program.

Distribution System Operation/Maintenance

1. There were 49 line locates requested and completed this month. This required approximately 37.0 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 18 final meter reads, 24 service turn offs/ons (10 non-payment, 1 seasonal, 8 repair work, and 5 other), and 17 meters/MXUs were repaired or replaced.
4. During the month the staff repaired (2) water main breaks, and continued the valve exercising program by working 7 valves.

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	23,730,000 gallons	Total Chemical Cost	\$ 5,445.33
Backwash Total Flow	794,000 gallons	Total Chemical Cost/MG	\$ 222.04
Total Flow	24,524,000 gallons	Alum & Ash Cost/Mg	\$ 110.79

(Backwash Flow % of Total = (3.24%))

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