

**Water Department Monthly Report
September, 2024**

Operations

1. During monthly operations, the Water Plant remained in compliance with both federal and state water quality and reporting requirements.
2. Distribution systems pressures and flows met the needs of fire suppression and consumer needs.
3. We continue to gather information to identify service lines for the Lead Service Line Inventory.

Maintenance and Improvements

1. Water Plant and Distribution staff performed required maintenance tasks throughout the month.
2. Staff performed tasks at Elkhead Reservoir that include routine maintenance as well as controlled release changes.
3. Distribution staff was busy once again. They performed 102 locates, flushed 12 hydrants, and repaired a water main break near 10th and School, and repaired 2 service lines.

Water Production Statistics

Effluent Total Flow (gallons)	69,374,000
Backwash Total Flow (gallons)	2,165,200
Total Gallons	71,539,200

Total Chemical Cost	\$17,108.64
Total Chemical Cost/MG	\$239.15
ACH and Soda Ash Cost/MG*	\$139.15

Backwash % of Total Flow = 3.120%

Average Daily Production = 2,384,640 gallons

ACTIVITY	Sept, 2024	YTD
Distribution System Operation		
Line Locates	102 (51 Man Hrs)	703 (351.5 Man Hrs)
Hydrants Flushed	12	103
Valves Worked	11	178
Service Turn On/Offs	5	125
Distribution System Maintenance		
Water Breaks	1 - 10th & School St	13
Service Line Repairs	2	11
Meters Replaced	1 Upgrade / 0 Frozen	36 Upgrades / 12 Frozen
MXUs Replaced	7	38
Hydrant Repairs	0	6
Taps	0	6
Other		
Final Reads	9	162
Shut Off Notices Delivered	0	346 (17.3 Man Hrs)
Non-Payment Shut Offs	12	61
Quarterly Tank Inspections		

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Wastewater
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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 899,000 gallons/day of wastewater.
4. Received and treated 12,300 gallons of hauled waste.
5. Biosolids are ready for land application.

B. Collection – Operation:

1. 51 man hours used to perform 102 locates.
2. 36 man hours used to hydraulically clean 0.75 miles of sewer main as part of routine (every 5 weeks) maintenance.
3. 3 man hours used to hydraulically clean 0.35 miles of sewer main as part of an annual cleaning program.

c. Collection – Correction

1. 1 man hour used to respond to an odor complaint at 7th and Legion St. The main was inspected and found to be flowing well. Possible issue with vacant neighboring home.
2. 1 man hour used to respond to a backup complaint at 943 W. 8th St. Business owner complained of no drainage. The main was inspected and found to be flowing well. Determined to be business owner's issue.

D. Other:

1. Assisted other departments, local plumbers, and contractors as needed.
2. Analyzed Maybell's Wastewater Plant monthly samples.