

**Water Department Monthly Report
January, 2025**

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. Service Line Inventory activities continue for the 2025 reporting timeframe, with plans being made for excavation activities.
4. Water Plant staff has been able to realize cost reduction with coagulant (ACH) by use of the new Streaming Current Detectors.

Maintenance and Improvements

1. Water Plant and Distribution staff performed required maintenance tasks throughout the month.
2. Staff performed tasks at Elkhead Reservoir that included release rate changes, groundskeeping maintenance, and continued work to complete communication processes and cell connectivity.
3. Distribution staff made repairs to 3 water main breaks throughout the month during extraordinarily cold temperatures.

Water Production Statistics

Effluent Total Flow (gallons)	28,211,000
Backwash Total Flow (gallons)	728,200
Total Gallons	28,939,200

Total Chemical Cost	\$5,121.61
Total Chemical Cost/MG	\$176.98
ACH and Soda Ash Cost/MG*	\$85.72

Backwash % of Total Flow = 2.520%

Average daily production = 1,205,800 gallons

ACTIVITY	Jan, 2025	YTD
Distribution System Operation		
Line Locates	16 (8 Man Hrs)	16 (8 Man Hrs)
Hydrants Flushed	1	1
Valves Worked	6	6
Service Turn On/Offs	27	27
Distribution System Maintenance		
Water Breaks	3 - W 6th St, Steele St	3
Service Line Repairs	0	0
Meters Replaced	2 Upgrade / 15 Frozen	2 Upgrades / 15 Frozen
MXUs Replaced	3	3
Hydrant Repairs	0	0
Taps	0	0
Other		
Final Reads	6	6
Non-Payment Shut Offs	2	2
City Backflow Tests	6	6
Solenoids Replaced	N Water Sales / CR7 Download Valve	

Monthly Report

Wastewater

January, 2025

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 907,000 gallons/day of wastewater.

B. Collection – Operation:

1. 8 man hours used to perform 16 locates.
2. 36 man hours used to hydraulically clean 0.75 miles 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 1960 B St. The main was inspected and found to be flowing well. Operator hydraulically cleaned the line for good measure and encountered no obstructions. It was determined to be the homeowner's issue.

D. Other:

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