

Water Department Monthly Report
January, 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. Staff continues to move forward with the EPA-mandated Lead Service Line Inventory.
4. Distribution staff continues to prepare for required licensing exams, with a staff member recently passing a Distribution exam.

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, routine maintenance, and snow removal.
3. 101 non-payment door hangers were distributed, with only 3 resulting shutoffs.

Water Production Statistics

Effluent Total Flow (gallons)	29,028,000
Backwash Total Flow (gallons)	1,458,500
Total Gallons	30,486,500

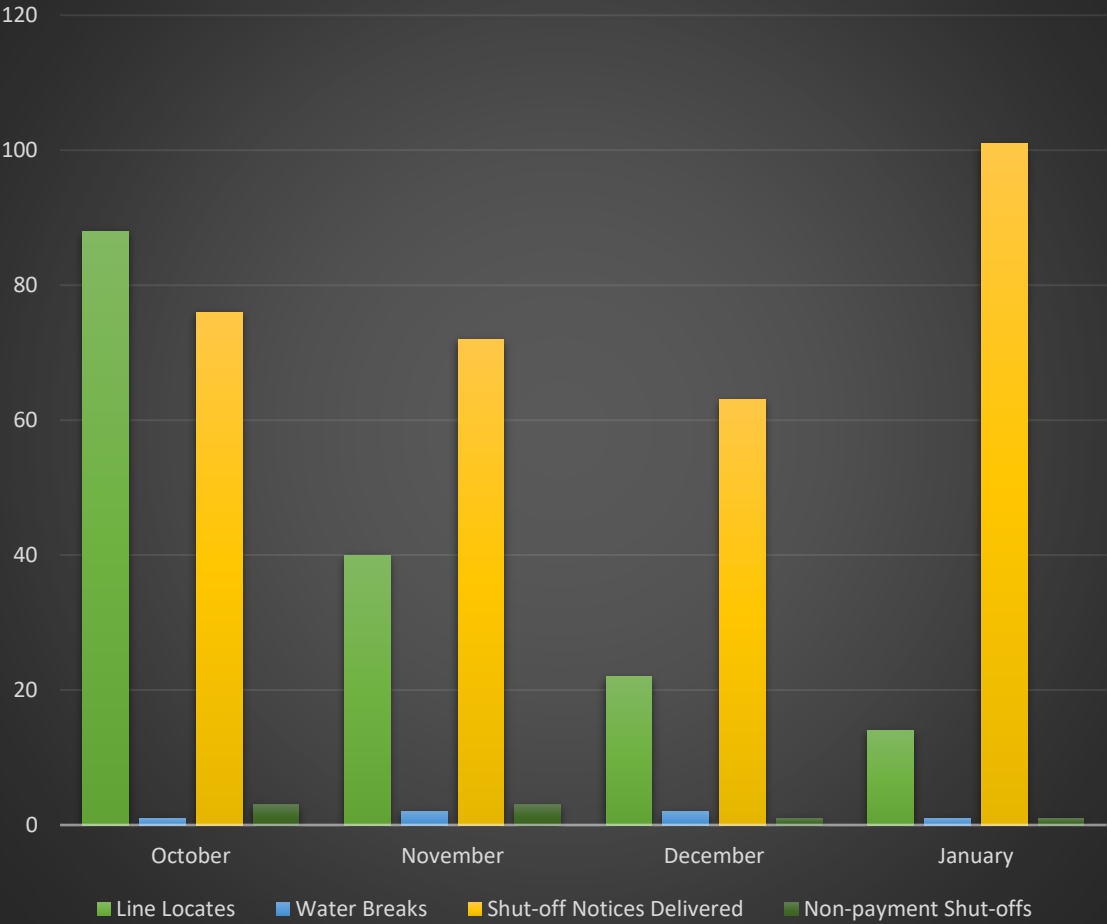
Total Chemical Cost	\$7,969.70
Total Chemical Cost/MG	\$261.42
ACH and Soda Ash Cost/MG*	\$115.49

Backwash % of Total Flow = 4.780%

Average Daily Production = 983,435

ACTIVITY	Jan, 2024	YTD
Distribution System Operation		
Line Locates	14 (7 Man Hrs)	14 (7 Man Hrs)
Hydrants Flushed	2	2
Valves Worked	2	2
Service Turn On/Offs	13	13
Distribution System Maintenance		
Water Breaks	1 (857 Taylor St)	1
Service Line Repairs	2 - 742 Barclay St, 1070 W Victory Way	2
Meters Replaced	4 Upgrade / 2 Frozen	4 Upgrades / 2 Frozen
MXUs Replaced	2	2
Hydrant Repairs	0	0
Taps	0	0
Other		
Final Reads	12	12
Shut Off Notices Delivered	101 (5.05 Man Hrs)	101 (5.05 Man Hrs)
Non-Payment Shut Offs	3	3
Snow Removal		
Distribution 1 Test Passed		

Distribution Trends



Monthly Report

Wastewater

January, 2024

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 921,000 gallons/day of wastewater.
4. Received and treated 1,000 gallons of hauled waste.

B. Collection – Operation:

1. 7 man hours used to perform 14 locates.
2. 36 man hours used to hydraulically clean 0.75 miles of sewer main as part of routine (every 5 weeks) maintenance.
3. 30.5 man hours used to hydraulically clean 1.05 miles of sewer main as part of an annual cleaning program.

c. Collection – Correction

1. 1 man hour used to respond to a backup complaint at 373 Rose 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.
2. 2 man hours used to respond to a backup complaint at 1095 School St. A local plumber was unable to clear an obstruction at tap. Operator hydraulically cleaned the line and hit an obstruction. It is unknown what the obstruction is at this time due to not being able to video inspect the line, as the main reduces down smaller than our camera can enter. The operator was able to break through the obstruction that entered the main to return flow. No damage was reported by the homeowner.
3. 2 man hours used to respond to a backup complaint at 900 Breeze St. The main was inspected and found to not be flowing well. Operator hydraulically cleaned the line and hit an obstruction. Operator was able to break through the obstruction and return flow. The main was then video inspected and roots were found in main. The main was cleaned again and roots were removed. No damage reported by the homeowner.

D. Other:

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