

**Water Department Monthly Report**  
**April, 2023**

**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. Water Plant staff took part in State certification exams.
4. Distribution staff continued to participate in CDL training activities.

**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 snow removal and routine maintenance.
3. Staff performed multiple/ongoing River District-requested discharge rate changes to accommodate Spring runoff.
3. Staff assisted other City departments, as well as contractors, consumers, vendors and contractors.

**Water Production Statistics**

Effluent Total Flow (gallons)	29,826,900
Backwash Total Flow (gallons)	1,130,348
<b>Total Gallons</b>	<b>30,957,248</b>

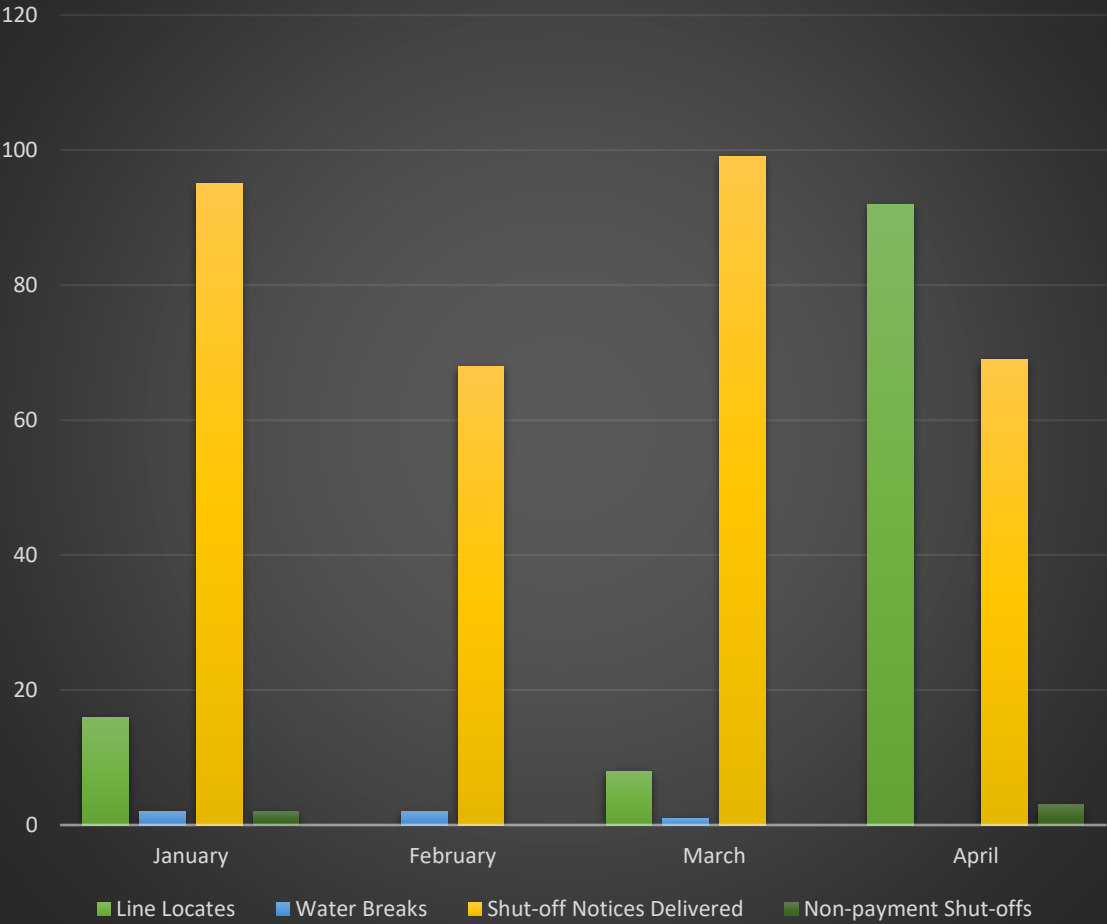
Total Chemical Cost	\$12,304.58
Total Chemical Cost/MG	\$397.47
ACH and Soda Ash Cost/MG*	\$226.99

Backwash % of Total Flow = 3.650%

\* MG = million gallons

ACTIVITY	April, 2023	YTD
<b>Distribution System Operation</b>		
Line Locates	92 (46 Man Hrs)	124 (62 Man Hrs)
Hydrants Flushed	3	5
Valves Worked	7	31
Service Turn On/Offs	16	42
Water Quality/Pump Station Checks	14	56
<b>Distribution System Maintenance</b>		
Water Breaks	0	4
Service Line Repairs	2 - 715 Yampa, 241 Bilsing	3
Meters Replaced	1 Upgrades / 7 Frozen	12 Upgrades / 20 Frozen
MXUs Replaced	5	11
Hydrant Repairs	1 - Wal-Mart	1
Taps	0	1
<b>Other</b>		
Final Reads	11	43
Shut Off Notices Delivered	69 (3.45 Man Hrs)	331 (16.55 Man Hrs)
Non-Payment Shut Offs	3	12
Assist with filling sandbags	3.5 hrs	
Haul pit run for flood prevntion		
Plow lot for sludge		
SGM Engineering Locates		

# Distribution Trends



## **Monthly Report**

Wastewater

April, 2023

### **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 1,596,000 gallons/day of wastewater.
4. Received and treated 4,350 gallons of hauled waste.

### **B. Collection – Operation:**

1. 69 man hours used to perform 92 locates.
2. 32.5 man hours used to hydraulically clean 1.95 miles of sewer main as part of an annual cleaning program.
3. 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. 1.5 man hours used to respond to a backup at 224 E. Victory Way. The main was inspected and found to be flowing well. Operator hydraulically cleaned the main for good measure and encountered an object believed to be the homeowner's service tap, but no rush of water or change in flow to signify a blockage. This restored the homeowner's flow. No damage reported.
2. One man hour used to respond to a backup at 865 Russell. Plumber told homeowner that there was a blockage in the City main. The main was inspected and found to be flowing well. Operator hydraulically cleaned the main for good measure and encountered no obstructions. Determined to be homeowner's issue.
3. 2 man hours used to respond to a backup complaint at 504 W. Victory Way. Business owner's tap enters a manhole by the business, and operators were able to see a buildup in the service tap. Operators washed the manhole down and this removed the buildup at the tap, and resolved the issue. No damage was reported.
4. One man hour used to respond to a backup complaint at the 600 block of Russell. Homeowner reported cleanouts were full of water. The main was inspected and found to be flowing well. Operators hydraulically cleaned the main for good measure and encountered no obstructions. Determined to be homeowner's issue.

### **D. Other:**

1. Assisted other departments, local plumbers, and contractors as needed.
2. Analyzed Maybell's Wastewater Plant monthly samples.
3. Operators helped fill sand bags to prevent flooding on behalf of the City.