

Water Department Monthly Report
August, 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 to accommodate run-off.
3. Distribution staff was very busy. Tasks included replacing 80 feet of water main near US Tractor, installing meter mxu's at the 8th St. Project, performing 117 line locates, and repairing 2 water main breaks.

Water Production Statistics

Effluent Total Flow (gallons)	80,092,000
Backwash Total Flow (gallons)	1,859,900
Total Gallons	81,951,900

Total Chemical Cost	\$19,496.02
Total Chemical Cost/MG	\$237.90
ACH and Soda Ash Cost/MG*	\$132.22

Backwash % of Total Flow = 2.320%

Average daily production = 2,643,610 gallons

ACTIVITY	Aug, 2024	YTD
Distribution System Operation		
Line Locates	117 (58.5 Man Hrs)	601 (300.5 Man Hrs)
Hydrants Flushed	15	91
Valves Worked	18	167
Service Turn On/Offs	9	120
Distribution System Maintenance		
Water Breaks	2 - CR 7 & W Hwy 40	12
Service Line Repairs	2	9
Meters Replaced	4 Upgrade / 1 Frozen	35 Upgrades / 12 Frozen
MXUs Replaced	3	31
Hydrant Repairs	0	6
Taps	0	6
Other		
Final Reads	35	153
Shut Off Notices Delivered	0	346 (17.3 Man Hrs)
Non-Payment Shut Offs	7	49
Main Replaced - John Deere	80ft	
Meters/MXUs installed (21)	8th St Project	

Monthly Report

Wastewater

August, 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 920,000 gallons/day of wastewater.
4. Received and treated 11,200 gallons of hauled waste.
5. Biosolids are ready for land application.

B. Collection – Operation:

1. 58 hours used to perform 117 locates.
2. 30 man hours used to hydraulically clean 1.01 miles of sewer main as part of routine (every 5 weeks) maintenance.
3. 17.5 man hours used to hydraulically clean 3.19 miles of sewer main as part of an annual cleaning program.
4. 4 man hours used to apply herbicide to 0.33 miles of sewer main as part of an annual application program for root-congested areas in the sewer main.

C. Collection – Correction

1. 1 man hour used to respond to a backup complaint at 547 Russell St. Homeowner stated backup into home and slow drains. Operator inspected the main and found it to be flowing well. For good measure, operator hydraulically cleaned the main and found 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.

RH Borden Priority List

Location	Priority	Corrective Action	Date	Date and Footage Analyzed (RH Borden)	Manhole #s	Man Hours
11th Washington	Yellow/Fair	Jetted/Vac	8/1/2024	657ft 10/25/23	N39-N40-N46	2
12th Colorado	Yellow/Fair	Jetted	8/2/2024	743ft 10/12/23	N53-North	1
4th/Steele/Stout	Yellow/Fair	Jetted	8/1/2024	264ft 11/1/23	C8-C9	1
3rd/Steele/Stout	Yellow/Fair	Jetted	8/1/2024	295ft 10/31/24	C5-C6a	1
OFF RH BORDEN LIST						
Trouble Spots		Jetted	8/12/2024			30
Elmwood/Heather		Jetted	8/6/2024		M92-M89-M93	2
Elmwood/Barclay		Jetted	8/7/2024		M85-M86-M92	2
Sage/Barclay		Jetted	8/7/2024		M50-M84-M50a	2
North Yampa		Jetted	8/8/2024		M10-M12	1
North Yampa		Jet/Vac	8/8/2024		M9-M10	1.5
12th/School		Jetted	8/19/2024		M70-M98	1
Breeze/School		Jetted	8/19/2024		M69-M77	1
12th/Breeze		Jetted	8/19/2024		M67-M74	1
10/Breeze		Jetted	8/19/2024		M8-M99	1
						47.5

Completed Yearly Percentages	Total Yearly Amount	Year to Date Completed
98% Black/ Blocked	49	48
80% Red/Poor	44	35
89% Yellow/Fair	77	69

Red Triangle
(Immediate
Attention)
100%

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NOTE; MOST OF THE
REMAINING
PERCENTAGES, ARE
LARGE DIAMETER
LINES THAT NEED TO
BE CONTRACTED
OUT

Operators	Approx Footage
AR/MH	650
AR/MH	420
JS	250
JS	300
AR/MH	5350
TS/AR	520
TS/AR	750
TS/AR	770
TS/AR	520
TS/AR	600
TS/AR	350
TS/AR	350
TS/AR	200
TS/AR	500
	22210
Totals	