

Water Department Monthly Report
April, 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. Our Distribution Foreman passed pesticide applicator certification and is completing required hands-on testing.
4. Water plant staff members passed entry level water treatment certification and advanced level distribution certification.
5. Cross training between water treatment and distribution continues.

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 for spring runoff.
3. Distribution staff is seeing a sharp rise in requests for utility locates.

Water Production Statistics

Effluent Total Flow (gallons)	30,392,000
Backwash Total Flow (gallons)	1,137,900
Total Gallons	31,529,900

Total Chemical Cost	\$12,204.50
Total Chemical Cost/MG	\$387.08
ACH and Soda Ash Cost/MG*	\$267.47

Backwash % of Total Flow = 3.610%

Average daily production = 1,212,688 gallons

ACTIVITY	April, 2025	YTD
Distribution System Operation		
Line Locates	112 (56 Man Hrs)	224 (112 Man Hrs)
Hydrants Flushed	0	15
Valves Worked	0	13
Service Turn On/Offs	24	99
Distribution System Maintenance		
Water Breaks	0	4
Service Line Repairs	3	3
Meters Replaced	6 Upgrade / 3 Frozen	20 Upgrades / 27 Frozen
MXUs Replaced	7	19
Hydrant Repairs	0 Replaced / 0 Repaired	2
Meter Pits Removed	0	2
Taps	0	0
Other		
Final Reads	20	53
Non-Payment Shut Offs	9	29
Curbside Letters Sent	0	3
Meter Pit Letters Sent	0	7
Vapo Rooting		
City Backflows Tested	9	15
811 Training		
Cross Training		

Monthly Report

Wastewater

April, 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 909,000 gallons/day of wastewater.
4. Received and treated 9,250 gallons of hauled waste.

B. Collection – Operation:

1. 56 man hours used to perform 112 locates.
2. 36 man hours used to hydraulically clean 0.75 miles of sewer main as part of routine (every 5 weeks) maintenance.
3. 66.5 hours used to hydraulically clean 4.1 miles of sewer main as part of an annual cleaning program.
4. 9 hours used for root treatment in sewer main as part of an annual tree root maintenance program.

c. Collection – Correction

1. 1 man hour used to respond to a backup complaint at 884 Taylor St. Owner said drains were slow. Operator inspected the main and found it to not be flowing well. Operator then hydraulically cleaned the main and encountered an obstruction 60 feet from the manhole. Once the obstruction was cleared, flow returned to normal. No damage was reported to home.
2. 1 man hour used to respond to a homeowner's requested for help in removing a tree in her yard at 870 Jeremiah St. Roots were found in her service line by a plumber, and plumber suggested that we might remove the tree for her. Operator suggested woman get in contact with a tree removal business.
3. 1 man hour used to respond to a backup complaint at 1400 Sequoia St. Operators inspected the main and found it to be flowing well. 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.

April 2025 Hydraulic Cleaning

Line ID	Date Cleaned	Work Done	Comments	Date of Video	Footage Cleaned	Operator
B99-B101	04/30/2025 20:12:41.535	Jetted	2hr. Ran to what we think was the end with 3different jet heads. Map says 608 we went 550		550	AR/S
B98-B99	04/30/2025 20:11:30.892	Jetted	1hr light roots		350	AR/TS
B100-B101	04/30/2025 16:03:06.172	Jetted	1hr light sand		350	AR/TS
E3-E5	04/29/2025 21:27:45.453	Jetted	1hr light sand		350	AR/TS
E5-E5.5	04/29/2025 21:26:56.476	Jetted	1hr		100	AR/TS
E5.5-E6	04/29/2025 21:26:06.899	Jetted	1hr		307	AR/TS
E10-E11	04/29/2025 20:30:16.797	Jetted	1hr major buildup grease and rags		360	AR/TS
E9-e10	04/29/2025 20:29:17.443	Jetted	1hr jetted and vac heavy sand		215	AR/TS
36-E9	04/29/2025 20:28:24.972	Jetted	1hr heavy sand		80	AR/TS
E6-E7	04/29/2025 20:27:42.282	Jetted	1hr		350	AR/TS
E11-E12	04/29/2025 19:10:46.925	Jetted	1hr clear		200	AR/TS
E2-E3	04/29/2025 19:09:33.258	Jetted	1hr heavy sand and grease		255	AR/TS
B101-B102	04/28/2025 21:39:40.924	Jetted	1hr heavy sand		670	AR/TS
B102-B103	04/28/2025 21:11:20.287	Jetted	1hr		400	AR/TS
B103-B104	04/28/2025 19:59:06.784	Jetted	1hr cleared roots		268	AR/TS
P2-P3	04/28/2025 16:52:09.331	Jetted	MAJOR BUILDUP IN P2. 1HR		320	AR/MH
B27-SOUTH	04/24/2025 22:24:02.075	Jetted	Man hrs 2		590	JS/AR/MH/JB
B27-B28	04/24/2025 22:23:12.633	Jetted	Man hrs 2		330	JS/AR/MH/JB
B27-B33	04/24/2025 22:22:07.458	Jetted	Man hrs 2		500	JS/AR/MH/JB
B28-B34A	04/24/2025 22:20:20.830	Jetted	Man hrs 2		305	JS/AR/MH/JB
B28-B29	04/24/2025 22:18:36.574	Jetted	Man hrs 2		330	JS/AR/MH/JB
B28-NORTH	04/24/2025 22:16:13.937	Jetted	Man hrs 2		485	JS/AR/MH/JB
B29-B29A	04/24/2025 22:15:08.767	Jetted	Man hrs 1		110	JS/AR/MH/JB
B29-B35	04/24/2025 22:13:33.487	Jetted	Man hrs 2		365	JS/AR/MH/JB
B29-B36.5	04/24/2025 17:36:51.637	Jetted	2mh		225	Js/mh/jb/mh
B36.5-B36	04/24/2025 17:24:20.927	Jetted	2mh		225	Mh/js/ar/jb
B27-B27A	4/24/2025 16:53	Jetted	1hr		590	AR, MH
B27-B33	4/24/2025 16:51	Jetted	2hrs		600	AR,J,JS,MH
B100-B100A	04/16/2025 21:35:32.162	Jetted	1HR		615	AR/TS
B84-B86	04/16/2025 20:34:20.404	Jetted	1HR		550	Ar/TS
B86XB87	04/16/2025 16:46:33.867	Jetted	1HR		650	AR/TS
B87-B88	04/16/2025 16:11:02.109	Jetted	R1's slight back up into 734 Barclays residents		611	AR/TS
B88-B89	04/15/2025 21:24:47.895	Jetted	1HR. Root cutter could only climb to 475		475	AR/TS
B89-B90	04/15/2025 20:55:23.649	Jetted	1HR 170. Map missing manhole between B89 AND B88		170	AR/TS
B81-B82	04/15/2025 20:53:32.897	Jetted	.5hr		450	AR/TS
B82-B83	04/15/2025 20:51:50.687	Jetted	1HR		659	AR/TS
B89-B90	4/15/2025 17:14	Jetted	1 man hrs		170	AR/TS
B88-B89.5	4/15/2025 17:12	Jetted	1 man hrs, root cutter could only climb to 475		475	AR/TS
B83-B84A	04/14/2025 21:39:03.003	Jetted	1hr		630	AR/TS
B84A-B84	04/14/2025 21:10:39.277	Jetted	1hr		230	AR/TS
B84-B84.5	04/14/2025 20:23:31.942	Jetted	1hr		360	AR/TS
B71-B72	04/14/2025 19:57:06.876	Jetted	1hr		550	AR/TS
B72-B73	04/14/2025 16:34:57.750	Jetted	1hr light sand		670	AR/TS
B73-B74	04/09/2025 21:35:23.585	Jetted	1hr		663	AR/TS
B74-B75	04/09/2025 21:07:16.716	Jetted	1hr light sand		300	AR/TS
B75-B736	04/09/2025 17:22:41.704	Jetted	1hr blockage around 250ft		260	AR/TS
B77.5 -B77	04/09/2025 17:21:17.038	Jetted	1hr		115	AR/TS
B736-B77.5	04/09/2025 17:19:42.627	Jetted	1hr not flowing out		20	AR/TS
B24-B31	4/9/2025 15:49	Jetted & TV		4/10/2025 15:49	600	JS/TS/AR/MH/JB
B100B-NORTH	04/08/2025 21:43:20.047	Jetted & TV	.5 man hrs, only able to camera 50ft	04/08/2025 21:44:27.839	200	JS/TS/AR/MH/JOE
E13B-E14	4/8/2025 14:42	Jetted & TV	Tap locate man hrs 2	4/8/2025 14:43	350	JS/TS/AR/MH/JB
B100b	4/8/2025 1:36	Jetted	Hit obstruction at 60ft cont. to 200		200	Js
B100a-B100b	4/8/2025 0:34	Jetted	Climbed to 300		300	Js
B100A-B100B	4/8/2025 0:30	Jetted	2man hrs		300	JS
B85-EAST	04/04/2025 21:40:56.862	Jetted & TV	1 man hrs	4/4/2025 21:15	110	JS/MH

April 2025 Hydraulic Cleaning

B86-B86	04/04/2025 21:39:07.236	Jetted	1 man hrs		600	JS/MH
C35-C35A	04/04/2025 21:36:33.942	Jetted & TV	2 man hrs	4/4/2025 20:30	215	JS/MH
C34-C35	04/04/2025 21:29:36.720	Jetted & TV	.5 hour	04/04/2025 21:29:53.744	50	Js/mh
C27-EAST	4/3/2025 21:42	TV		4/3/2025 21:42	121	JS/MH
C27-EAST	4/2/2025 20:24	Jetted	.5 man hrs	04/03/2025 20:25:15.474	121	TS/AR

Total Hours	66.5	Total Footage	21,570
		Total Miles	4.1

April 2025 Root Treatment

LineID	Work Done	Chemical Used?	Comments	Date Cleaned	Operator
B27-SOUTH	Root Treated	Vapo	Man hrs 2, DW training	4/24/2025 21:00	JS/DW/AR/MH/JB
B36.5-B36	Root Treated	Vapo	2mh	04/24/2025 17:29:58.446	Mh/ar/js/jb
B29-B36.5	Root Treated	Vapo	3mh	04/24/2025 17:10:58.154	Js/dw/ar/jb/mh
B28-NORTH	Root Treated	Vapo	Man hrs 2, DW training	4/24/2025 16:30	JS/DW/AR/MH/JB

Total Hours	9
--------------------	----------