Beaver Water District

2025 Annual Water Quality Report

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There were no violations of the EPA Safe Drinking Water Act by Beaver Water District in 2025.

Definitions

MCLG or Maximum Contaminant Level Goal: The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.

MCL or Maximum Contaminant Level: The highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible using the best available treatment technology, BAT.

MRDLG or Maximum Residual Disinfectant Goal: The level of a drinking disinfectant below which there is no known or expected risk to health.

MRDL or Maximum Residual Disinfectant Level : The highest level of a disinfectant allowed in drinking water.

TT or Treatment Technique : A required process intended to reduce the level of a contaminant in drinking water.

AL or Action Level : The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.

mrem/yr = millirems per year (a unit of absorbed radiation dose)

ND = Non-detected, constituent not present at detection limit

NTU = Nephelometric Turbidity Units

P/A = Presence / Absence or Present / Absent

pCi/L = picocuries per liter (a measure of radioactivity)

ppm = parts per million, or milligrams per liter (mg/l)

ppb = parts per billion, or micrograms per liter (ug/l)

RAA = Running Annual Average

uS/cm = microSiemens per centimeter

Waiver = an exemption to perform monitoring issued by the ADH based on system evaluations

Unregulated Constituents - *Monitored by ADH and BWD **

Physical and Chemical Parameters	Units	BWD
Alkalinity (Phenolphthalein) *	ppm as CaCO3	**0**
Alkalinity (Total) *	ppm as CaCO3	**59 (avg)**
Calcium *	ppm as Ca	**28 (avg)**
Range of Results	ppm as Ca	**22-34**
Conductivity *	µS/cm	**193 (avg)**
Hardness (Total) *	ppm as CaCO3	**75 (avg)**
Range of Results	ppm as CaCO3	**58-89**
Magnesium	ppm as Mg	**1.96**
Nickel	ppm	**0.065**
Potassium	ppm	**ND**
Sodium	ppm	**7.28**

PRIMARY STANDARDS - *Health Related and Mandated by U.S. EPA & ADH*

Disinfectant	Units	MRDLG	MRDL	BWD
Total Residual Chlorine* (Average)	ppm	4.0	4.0	**1.64**
Range of Results	ppm			**1.34-1.88**
Chlorine Dioxide*	ppm	0.8	0.8	**0.05 (avg)**
Clarity	**Units**	**MCLG**	**MCL**	**BWD**
Turbidity * (Treated Finished Water)			>0.3 NTU in >5% of samples or any 1 sample>1 NTU	
Highest yearly sample result	NTU	n/a		**0.23**
Average NTU	NTU			**0.07**
Lowest % of samples meeting limit	%			**100**
Microbiological	**Units**	**MCLG**	**MCL**	**BWD**
Total Coliform Bacteria	P/A	0	5%/month	**0**
Fecal Coliform or *Escherichia coli*	P/A	0	0	**0**
Inorganic Chemicals	**Units**	**MCLG**	**MCL**	**BWD**
Antimony	ppb	6	6	**ND**
Arsenic	ppb	0	10	**ND**
Asbestos	MFL	7	7	**Waiver**
Barium	ppm	2	2	**0.021**
Beryllium	ppb	4	4	**ND**
Cadmium	ppb	5	5	**ND**
Chlorite*	ppm	0.8	1.0	**0.26 (avg)**
Chromium	ppb	100	100	**ND**
Copper	ppm	1.3	AL=1.3	**ND**
Cyanide	ppb	200	200	**ND**
Fluoride* (Average)	ppm	4.0	4.0	**0.65**
Range of Results	ppm			**0.38-0.91**
Lead	ppb	0	AL=15	**ND**
Mercury	ppb	2	2	**ND**
Nitrate (NO3-N) *	ppm	10	10	**0.55 (avg)**
Selenium	ppb	50	50	**ND**
Thallium	ppb	0.5	2	**ND**

* Analyzed and reported by Beaver Water District. All other analyses in this report by ADH.

Radionuclides	Units	MCLG	MCL	BWD
Gross Alpha	pCi/L	0	15 pCi/L	**ND**
Gross Beta	mrem	0	•4 mrem/yr	**ND**
Uranium	ppb	0	30	**ND**

• Tritium and Strontium are Beta particle emitters and fall in the combined 4 mrem/yr MCL of the Gross Beta particles.

SECONDARY STANDARDS - *Aesthetic Standards Recommended by EPA & ADH*

Physical Parameters	Units	MCLG	BWD
Apparent Color	units	15	**0**
pH * (Average)	units	6.5 - 8.5	**8.4**
Inorganic Chemicals	**Units**	**MCLG**	**BWD**
Aluminum	ppm	0.05 - 0.2	**ND**
Chloride	ppm	250	**6.1**
Corrosivity * (Average) Langelier Saturation Index	SI	Non-corrosive	**0.04**
Iron	ppm	0.3	**ND**
Manganese	ppm	0.05	**ND**
Silver	ppm	0.1	**ND**
Sulfate	ppm	250	**24.1**
Total Dissolved Solids *	ppm	500	**115 (avg)**
Total Solids	ppm		**107**
Zinc	ppm	5	**ND**

Volatile Organic Contaminants (VOCs) - Regulated	Units	MCLG	MCL	BWD
Total Trihalomethanes (TTHMs)				
Highest Running 12 Month Average	ppb	N/A	80	**39**
Range of quarterly samples				**13.1 - 48.1**
Haloacetic Acids 5 (HAA5)				
Highest Running 12 Month Average	ppb	N/A	60	**29**
Range of quarterly samples				**10.6 - 50.0**
Benzene	ppb	0	5	**ND**
Carbon Tetrachloride	ppb	0	5	**ND**
Chlorobenzene	ppb	100	100	**ND**
o-Dichlorobenzene (1,2-Dichlorobenzene)	ppb	600	600	**ND**
p-Dichlorobenzene (1,4-Dichlorobenzene)	ppb	75	75	**ND**
1,2-Dichloroethane	ppb	0	5	**ND**
1,1-Dichloroethene (1,1-Dichloroethylene)	ppb	7	7	**ND**
cis-1,2-Dichloroethene (c-1,2-Dichloroethylene)	ppb	70	70	**ND**
trans-1,2-Dichloroethene (t 1,2-Dichloroethylene)	ppb	100	100	**ND**
Dichloromethane (Methylene Chloride)	ppb	0	5	**ND**
1,2-Dichloropropane	ppb	0	5	**ND**
Ethylbenzene	ppb	700	700	**ND**
Styrene	ppb	100	100	**ND**
Tetrachloroethene (Tetrachloroethylene)	ppb	0	5	**ND**
Toluene	ppm	1	1	**ND**
1,2,4-Trichlorobenzene	ppb	70	70	**ND**
1,1,1-Trichloroethane	ppb	200	200	**ND**
1,1,2-Trichloroethane	ppb	3	5	**ND**
Trichloroethene (Trichloroethylene)	ppb	0	5	**ND**
Vinyl Chloride	ppb	0	2	**ND**
Xylenes, Total	ppm	10	10	**ND**

Disinfection By-Product Precursors - *Monitored by ADH*

Parameter	Removal Ratio Required	BWD
Total Organic Carbon (TOC)	≥1.00	1.42