

Annual Drinking Water Quality Report Crosby, North Dakota 2025

We are pleased to provide you with this year's Annual Drinking Water Quality Report (Consumer Confidence Report) as required by the Safe Drinking Water Act. This report is designed to provide details about where your water comes from, what it contains, and how it compares to standards set by regulatory agencies. This report is a snapshot of last year's water quality. We are committed to providing you with information because informed customers are our best allies.

The City of Crosby's water source ground water from the Ray Aquifer, purchased from the R & T Water Supply Commerce Authority. The city of Crosby wants you to understand the efforts we make to continually improve the water treatment process and protect our water sources. We are committed to ensuring the quality of your water.

The North Dakota Department of Environmental Quality has completed a Source Water Assessment for Crosby including the delineation and contaminant/land use inventory elements of the North Dakota Source

Water Protection Program. Based on the information from these elements, the North Dakota Department of Environmental Quality has determined that our water source is "not susceptible" to potential contaminants. No significant sources of contamination have been identified. A copy of this assessment is available to the public upon request.

If you have any questions about this report or concerning your water utility, please contact city hall at 701-965-6029. We want our valued customers to be informed about their water utility. If you want to learn more, please attend any of our regularly scheduled meetings. The city of Crosby regular council meetings are held on the first Monday of every month at 7 pm at the city hall. If you are aware of non-English speaking individuals who need help with the appropriate language translation, please call our office at the number listed above.

The city of Crosby would appreciate it if large volume water customers would please post copies of the **Annual Drinking Water Quality**

Report in conspicuous locations or distribute them to tenants, residents, patients, students, and/or employees, so individuals who consume the water, but do not receive a water bill can learn about our water system.

The city of Crosby routinely monitors for contaminants in your drinking water per Federal and State laws. The following table shows the results of our monitoring for the period of January 1st to December 31st, 2025. As authorized and approved by EPA, the state has reduced monitoring requirements for certain contaminants to less often than once per year because the concentrations of these contaminants are not expected to vary significantly from year to year. Some of our data [e.g., for inorganic contaminants], though representative, is more than one year old.

EPA requires monitoring of over 80 drinking water contaminants. Those contaminants listed in the table are the only contaminants detected in your drinking water. Unregulated contaminants are those for which the EPA has not established drinking water standards. The purpose of

unregulated contaminant monitoring is to assist EPA in determining the occurrence of unregulated contaminants in drinking water and whether future regulation is warranted. We have learned through our monitoring and testing that some contaminants have been detected. The EPA has determined that your water IS SAFE at these levels.

Please call city hall if you have questions. The city of Crosby works diligently to provide top quality water to every tap. We ask that all our customers help us protect our water resources, which are the heart of our community, our way of life and our children's future.

To ensure that tap water is safe to drink, the Environmental Protection Agency (EPA) prescribes regulations which limit the amounts of certain contaminants in water provided by public water systems. The Food and Drug Administration (FDA) regulations establish limits for contaminants in bottled water which must provide the same protection for public health.

In the following table you will

find many terms and abbreviations you might not be familiar with. To help you better understand these terms we have provided the following definitions:

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

(MCL) Maximum Contaminant Level: The highest level of a contaminant that is allowed in drinking water. MCL's are set as close to the MCLG's as feasible using the best available treatment technology.

(MRDLG) Maximum Residual Disinfectant Level Goal: The level of a drinking water disinfectant below which there is no known or expected risk to health. MRDLG's do not reflect the benefits of the use of disinfectants to control microbial contaminants.

(MRDL) Maximum Residual Disinfectant Level: The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is

necessary for control of microbial contaminants.

Highest Compliance Level: The highest level of that contaminant used to determine compliance with a National Primary Drinking Water Regulation.

Range of Detections: The lowest to the highest result value recorded during the required monitoring timeframe for systems with multiple entry points.

Abbreviations: **ppb** - parts per billion or micrograms per liter; **ppm** - parts per million or milligrams per liter; **ppt** - parts per trillion or nanograms per liter; **ppq** - parts per quadrillion or picograms per liter; **NA** - not applicable; **ND** - none detected; **pCi/L** - picocuries per liter (a measure of radioactivity), **umho/cm** = micromhos per centimeter (a measure of conductivity), **obsvns** = observations/field at 100 Power, **IDSE** = Initial Distribution System Evaluation

2025 TEST RESULTS FOR THE CITY OF CROSBY, R&T WATER SUPPLY AND THE CITY OF WILLISTON

TEST RESULTS - CROSBY CITY OF - ND1200211

Lead/Copper	Date	# Samples	Action Level (AL)	Level Detected	Units	Range	Violation Yes/No Other Info	Likely Source of Contaminant
Copper	6/27/2025	10	1.3	0.0324 90 th Percentile	ppm	ND to 0.0493	0 Sites Exceeded AL	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
Lead	6/27/2025	10	15	1.07 90 th Percentile	ppb	ND to 2.09	0 Sites Exceeded AL	Corrosion of household plumbing systems; erosion of natural deposits
Disinfectants								
Chloramine	4/30/2025	MRDL=4.0	MRDLG=4	1.8	ppm	0.055 to 2.22	No	Water additive used to control microbes
Stage 2 Disinfection Byproducts (TTHM/HAA5)								
HAA5	12/31/2025	60		No Detect	ppb	N/A	No	By-product of drinking water chlorination
TTHM	12/31/2025	80		13	ppb	N/A	No	By-product of drinking water chlorination

TEST RESULTS - R & T WATER SYSTEM - ND5301152

Lead/Copper	Date	# Samples	Action Level (AL)	Level Detected	Units	Range	Violation Yes/No Other Info	Likely Source of Contaminant
Copper	7/10/2025	10	1.3	0.0769 90 th Percentile	ppm	ND to 0.351	0 Sites Exceeded AL	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
Lead	7/10/2025	10	15	1.67 90 th Percentile	ppb	ND to 351.00	1 Sites Exceeded AL	Corrosion of household plumbing systems; erosion of natural deposits
Disinfectants								
Chloramine	3/31/2025	MRDL=4.0	MRDLG=4	2.7	ppm	2.57 to 2.95	No	Water additive used to control microbes
Inorganic Contaminants								
Barium	3/11/2025	2	2	0.00806	ppm	N/A	No	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
Fluoride	3/11/2025	4	4	0.705	ppm	N/A	No	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories
Nitrate/Nitrites	12/15/2025	10	10	0.156	ppm	N/A	No	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits.

Radioactive Contaminants									
Gross Alpha, Including RA, Excluding RN & U	5/7/2025	15	15	0.943	pCi/l	N/A	No	Erosion of Natural Deposits	
Radium, Combined (226, 228)	5/7/2025	5		0.0336	pCi/l	N/A	No	Erosion of Natural Deposits	
Unregulated Contaminants									
Alkalinity, Carbonate	3/11/2025			8	ppm	N/A	No		
Alkalinity, Total	3/11/2025			57.4	ppm	N/A	No		
Bicarbonate as HCO3	3/11/2025			54	ppm	N/A	No		
Calcium	3/11/2025			40.2	ppm	N/A	No		
Chloride	3/11/2025			19.6	ppm	N/A	No		
Conductivity @ 25 c umhos/cm	3/11/2025			945	umho/cm	N/A	No		
Hardness, Total (as cac03)	3/11/2025			151	ppm	N/A	No		
Magnesium	3/11/2025			12.2	ppm	N/A	No		
Nickel	3/11/2025			0.00113	ppm	N/A	No		
PH	3/11/2025			8.96	PH	N/A	No		
Potassium	3/11/2025			7.67	ppm	N/A	No		
Sodium	3/11/2025			129	ppm	N/A	No		
Sodium Adsorption Ratio	3/11/2025			4.57	obsvns	N/A	No		
Sulfate	3/11/2025			351	ppm	323-351	No		
TDS	3/11/2025			595	ppm	N/A	No		
Zinc	3/11/2025			0.00481	ppm	N/A	No		
Stage 2 Disinfection Byproducts (TTHM/HAA5)									
HAA5	12/31/2025	60		11	ppb	4.41 to 10.83	No	By-product of drinking water chlorination	
TTHM	12/31/2025	80		23	ppb	12.49 to 23.17	No	By-product of drinking water chlorination	

TEST RESULTS - WILLISTON CITY OF - ND5301012

Lead/Copper	Date	# Samples	Action Level (AL)	Level Detected	Units	Range	Violation Yes/No Other Info	Likely Source of Contaminant
Copper	8/18/2023	36	1.3	0.0205 90 th Percentile	ppm	ND to 0.0559	0 Sites Exceeded AL	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
Lead	8/18/2023	36	15	No Detect	ppb	ND to 1.55	0 Sites Exceeded AL	Corrosion of household plumbing systems; erosion of natural deposits
Disinfectants								
Chloramine	4/30/2025	MRDL=4.0	MRDLG=4	2.7	ppm	2.3 to 2.92	No	Water additive used to control microbes
Inorganic Contaminants								
Barium	3/10/2025	2	2	0.0148	ppm	N/A	No	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
Fluoride	3/10/2025	4	4	0.537	ppm	N/A	No	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories
Nitrate/Nitrites	6/16/2025	10	10	0.0763	ppm	ND to 0.0763	No	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits.
Selenium	3/10/2025	50	50	3.21	ppb	N/A	No	Discharge from petroleum and metal refineries; erosion of natural deposits; discharge from mines

Radioactive Contaminants									
Gross Alpha, Including RA, Excluding RN & U	5/13/2025	15	15	2.33	pCi/l	N/A	No	Erosion of Natural Deposits	
Radium, Combined (226, 228)	5/13/2025	5		0.537	pCi/l	N/A	No	Erosion of Natural Deposits	
Unregulated Contaminants									
Alkalinity, Carbonate	3/10/2025			5	ppm	N/A	No		
Bicarbonate as HCO3	3/10/2025			58	ppm	N/A	No		
Calcium	3/10/2025			34.7	ppm	N/A	No		
Chloride	3/10/2025			12	ppm	N/A	No		
Conductivity @ 25 c umhos/cm	3/10/2025			491	umho/cm	N/A	No		
Hardness, Total (as cac03)	3/10/2025			127	ppm	N/A	No		
Magnesium	3/10/2025			9.74	ppm	N/A	No		
Nickel	3/10/2025			0.0012	ppm	N/A	No		
PH	3/10/2025			8.73	PH	N/A	No		
Potassium	3/10/2025			5.73	ppm	N/A	No		
Sodium	3/10/2025			53.3	ppm	N/A	No		
Sodium Adsorption Ratio	3/10/2025			2.06	obsvns	N/A	No		
Sulfate	3/10/2025			198	ppm	140-198	No		
TDS	3/10/2025			290	ppm	N/A	No		
Zinc	3/10/2025			0.00245	ppm	N/A	No		
Total Organic Carbon Removal									
Alkalinity-Source	2/28/2025			185	MG/L	113.00 to 185.00	No		
Carbon, Total Organic (TOC)-Finished	3/31/2025			2.7	MG/L	2.00 to 2.70	No		
Carbon, Total Organic (TOC)-Source	3/31/2025			4.3	MG/L	2.60 to 4.30	No		
Stage 2 Disinfection Byproducts (TTHM/HAA5)									
HAA5	12/31/2025	60		10	ppb	ND to 12.98	No	By-product of drinking water chlorination	
TTHM	12/31/2025	80		24	ppb	16.19 to 34.17	No	By-product of drinking water chlorination	

Surface Water Treatment Rule Monitoring Data: Lowest Monthly Percentage of Samples Meeting Turbidity Limits = 100

Highest Single Measurement = 0.253

** Turbidity is a measure of the cloudiness of water. We monitor it because it is a good measure of the effectiveness of our filtration system. Turbidity has no health effects, however it can interfere with disinfection or provide a medium for microbial growth. Compliance is determined by the percentage of samples that meet the limit of 0.3 NTU.

The water we provide is treated with fluoride addition as a part of the water treatment process to en-

Health Statements

Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that water poses a health risk. More information about contaminants and potential effects can be obtained by calling the EPA's Safe Drinking Water Hotline (800-426-4791).

The sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs, and wells. As water travels over the surface of the land or through the ground, it dissolves naturally occurring minerals and, in some cases, radioactive material, and can pick up substances resulting from the presence of animals or from human activity.

Contaminants That May Be Present in Source Water:

Microbial Contaminants, such as viruses and bacteria, which may come from sewage treatment plants, septic systems, agricultural livestock

hance dental health. For information regarding the level of fluoride in the finished water provided to our consumers, please contact our office.

Our provider, R&T Water and the city of Williston began initial monitoring for eighteen Per- and polyfluoroalkyl substances (PFAS) in 2025 in preparation for the new PFAS rule that will take effect in 2029. One sample was collected at each Entry Point to the distribution system as required, to determine if PFAS is currently in our drinking water. None of the contaminants included in this round of sampling were detected. Should you have any questions, please contact our office.

operations, and wildlife.

Inorganic Contaminants, such as salts and metals, which can be naturally occurring or result from urban stormwater runoff, industrial, or domestic wastewater discharges, oil and gas production, mining, or farming.

Pesticides and Herbicides, which may come from a variety of sources such as agriculture, urban stormwater runoff, and residential uses. (Pesticide: Generally, any substance or mixture of substances intended for preventing, destroying, repelling, or mitigating any pest. Herbicide: Any chemical(s) used to control undesirable vegetation.)

Organic Chemical Contaminants, including synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum production, and can also come from gas stations, urban stormwater runoff, and septic systems.

Radioactive Contaminants, which can be naturally occurring or be the result of oil and gas production and mining activities.