City of Arnegard

2022 Consumer Confidence Report

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.

Our water source is surface water purchased from the City of Williston and distributed by McKenzie County Water Resource District. The City of Williston treats the water with filtration and lime softening. Chloramines are added for disinfection.

The North Dakota Department of Environmental Quality has completed a Source Water Assessment for the City of Williston 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 ***"moderately susceptible"*** to potential contaminants. Nosources 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 Juelie Bancroft, City Auditor, at 701-586-3453. 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. They are held on the second Monday of every month, 7:00 PM at Arnegard City Hall. If you are aware of non-English speaking individuals who need help with the appropriate language translation, please call Donna at the number listed above.

The City of Arnegard 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 Arnegard and the City of Williston routinely monitor 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, 2022. 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 Juelie at 701-586-3453, if you have questions. The City of Arnegard 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.

Annual Drinking Water Quality Report

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 include:

- *Microbial contaminants*, such as viruses and bacteria, which may come from sewage treatment plants, septic systems, agricultural livestock operations and wildlife.
- *Inorganic contaminants*, such as salts and metals, which can be naturally occurring or result from urban stormwater, industrial or domestic wastewater discharges, oil production, mining or farming.
- *Pesticides and herbicides*, which come from a variety of sources such as agriculture, urban stormwater runoff and residential uses.
- *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.

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. EPA/Centers for Disease Control and Prevention (CDC) guidelines on appropriate means to lessen the risk of infection by Cryptosporidium and other microbial contaminants are available from the State Drinking Water Hotline (800-426-4791)

Surface Water Treatment Rule Monitoring Data

Lowest Monthly Percentage of Samples Meeting Turbidity Limits = 100
Highest Single Measurement = 0.192

*Turbidity is a measure of the cloudiness of the water. The City of Williston monitors it because it is a good indicator of the effectiveness of their filtration system. Turbidity is measured every four hours during treatment plant operations. 100% of samples met turbidity limits.

In order 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've 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. MRDLGs 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 Primacy 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

Lead Statement

If, present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. The City of Upham is responsible for providing high quality drinking water but cannot control the variety of materials used in plumbing components. Use water from the cold tap for drinking and cooking. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you are concerned about lead in your drinking water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline or at http://www.epa.gov/safewater/lead.

City of Arnegard

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Arnegard, ND 58835

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PLEASE
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2022 Consumer Confidence Report (CCR)

City of Arnegard

TEST RESULTS - ARNEGARD CITY OF - ND2701506

Lead/Copper	Date	# Samples	Action Level (AL)	90th Percentile	Samples Exceed AL	Units
COPPER	9/15/2022	5	1.3	0.1	0	ppm
LEAD	9/15/2022	5	15	No Detect	0	ppb

Disinfectants	Date	MCL	MCLG	High Comp.	Units	Range
CHLORAMINE	1/31/2022	MRDL=4.0	MRDLG=4.0	2.5	ppm	2 to 3.2

Stage 2 Disinfection Byproducts (TTHM/HAA5)		Date	MCL	MCLG	High Comp.	Units	Range
HAA5	System-wide	12/31/2022	60		13	ppb	N/A
TTHM	System-wide	12/31/2022	80		25	ppb	N/A

Inorganic Contaminants	Date	MCL	MCLG	High Comp.	Units	Range
Nitrate-Nitrite	6/28/2022	10	10	0.123	ppm	N/A

TEST RESULTS - WILLISTON CITY OF - ND5301012

Total Organic Carbon Removal	Date	MCL	MCLG	High Comp.	Units	Range
ALKALINITY-Source	3/31/2022			186	MG/L	104.00 to 186.00
CARBON, TOTAL ORGANIC (TOC)-Finished	11/30/2022			2.6	MG/L	2.10 to 2.60
CARBON, TOTAL ORGANIC (TOC)-Source	6/30/2022			4.4	MG/L	2.90 to 4.40

Microbiological Contaminants	Date	MCL	MCGL	High Comp.	Units	Range
TURBIDITY	2022	TT	N/A	0.192	NTU	N/A