



2022 Annual Drinking Water Quality Report
Barrineau Public Utilities
S.C. DHEC# 1420002



We're pleased to present to you this year's Annual Quality Water Report. This report is designed to inform you about the quality water and services we deliver to you every day. Our constant goal is to provide you with a safe and dependable supply of drinking water. We want you to understand the efforts we make to continually improve the water treatment process and protect our water resources. We are committed to ensuring the quality of your water.

Barrineau Public Utility's water source consists of two wells that tap into the Black Creek Aquifer. A Source Water Assessment Plan has been prepared for our system. If you have any questions about this report or concerning your water utility, please contact Dawn Green at (843) 389-4001. 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 at 7 PM in the Barrineau Public Utility Office.

I'm pleased to report that our drinking water is safe and meets federal and state requirements. We have recently gone through our annual system sanitary survey by the S.C. Department of Health and Environmental Control and received the highest of three ratings available again this year.

Barrineau Public Utilities routinely monitors for contaminants in your drinking water according to Federal and State laws. This table shows the results of our monitoring for the period of January 1st to December 31st, 2022. As water travels over the land or underground, it can pick up substances or contaminants such as microbes, inorganic and organic chemicals, and radioactive substances. All drinking water, including bottled drinking water, may be reasonably expected to contain at least small amounts of some contaminants. It's important to remember that the presence of these contaminants does not necessarily pose a health risk.

In this 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:

- Non-Detects (ND) - laboratory analysis indicates that the constituent is not present.
- Action Level (AL) – the concentration of a contaminate that, if exceeded. Triggers treatment or other requirements that a water system must follow.
- Parts per million (ppm) or Milligrams per liter (mg/l) - one part per million corresponds to one minute in two years or a single penny in \$10,000.
- Parts per billion (ppb) or Micrograms per liter (mg/l) – one part per billion corresponds to one minute in 2,000 years, or a single penny in \$10,000,000.
- Maximum Contaminant Level -the “Maximum Allowed” (MCL) is 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.
- Maximum Contaminant Level Goal - the “Goal” (MCLG) is the level of a contaminant in drinking water below that there is no known or expected risk to health. MCLGs allow for a margin of safety.
- *Picocuries per liter (pCi/L)* - picocuries per liter is a measure of the radioactivity in water.
- *Maximum Residual Disinfectant Level (MRDL)* - 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.
- *Maximum Residual Disinfectant Level Goal (MRDLG)* – 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.

LEAD AND COPPER TEST RESULTS								
Lead and Copper	Date Sampled	MCLG	Action Level (AL)	90 th percentile	# Sites Over AL	Units	Violation (Y/N)	Likely Source of Contamination
Copper	2021	1.3	1.3	0.057	0	ppm	N	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
Lead	2021	0	15	0.69	0	ppb	N	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives

Inorganic Contaminants	Collection Date	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Units	Violation Y/N	Likely Source of Contamination
Sodium [unregulated]	2021	24	24-24	NA	NA	ppm	N	Naturally occurring.
Fluoride	2021	0.14	0.14-0.14	4	4.0	ppm	N	Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from fertilizer and aluminum factories

Disinfectants and Disinfection By-Products	Collection Date	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Units	Violation (Y/N)	Likely Source of Contamination
Total Trihalomethane (TTHM)	2022	LRAA 3.13	3.13-3.13	No goal for the total	80	ppb	N	By-product of drinking water disinfection
Haloacetic Acids (HAA5)	2022	1.0136	1.0136-1.0136	No goal for the total	60	ppb	No	By-product of drinking water disinfection
Chlorine	2022	RAA 1.0	0.33-0.9	MRDL 4	MRDLG 4	ppm	N	Water additive used to control microbes