2024 Water Quality Report
Beech Island Rural Community Water District
System #0220004

We're pleased to provide you with this year's Water Quality Report. We want to keep you informed about the water and services we have delivered to you over the past year. Our goal is to provide you with a safe and dependable supply of drinking water. We are committed to ensuring the quality of your water. The source of our water is six wells located throughout our service area.

A Source Water Assessment Plan has been prepared for our system by SCDES. For more information, please contact SCDES at (803) 898-3531. Beech Island Rural Community Water District (SC0220004) has completed a required service line inventory. If you would like to access the inventory, please contact us with the contact information found in this report. If you have any questions about this report or concerning your water utility, or if you do not have internet access, please contact James Taylor at (803) 827-1004. We want you, our neighbors and valued customers, to be informed about your water utility. Feel free to attend any of our regularly scheduled meetings on the second Tuesday of each month at 9:00 AM at the office.

This report shows our water quality and what it means. Beech Island Rural Community Water District routinely monitors constituents in your drinking water according to Federal and State laws. As water travels over land or underground, it can pick up substances or contaminants such as microbes and chemicals. All drinking water, including bottled drinking water, may be reasonably expected to contain at least some small amounts of constituents. It's important to remember that the presence of these constituents does not necessarily pose a health risk.

The table below shows the results of our monitoring for the period of January 1st to December 31st, 2024. In this table you will find the following terms and abbreviations:

Action Level (AL) - the concentration of a contaminant that, if exceeded, triggers treatment or other requirements that a water system must follow.
Action Level Goal (ALG): The level of a contaminant in drinking water below which there is no known or expected risk to health. ALGs allow for a margin of safety.
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.
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. MCL's are set at very stringent levels. To understand the possible health effects described for many regulated constituents, a person would have to drink 2 liters of water every day at the MCL level for a lifetime to have a one-in-a-million chance of having the described health effect.
Maximum Contaminant Level Goal - The "Goal"(MCLG) is 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.
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.
Non-Detects (ND) - laboratory analysis indicates that the constituent is not present**.**
Picocuries per liter (pCi/L) - picocuries per liter is a measure of the radioactivity in water.

SCRWA

System #0220004 Beech Island

Lead and Copper									
Contaminant	**Date Sampled**	**MCLG**	**Action Level (AL)**	**90th Percentile**	**Range of Results**	**# Sites Over AL**	**Units**	**Violation (Y/N)**	**Likely Source of Contamination**
Copper	2022	1.3	1.3	0.165	0.00 – 0.265	0	ppm	N	Erosion of natural deposits; Leaching from wood preservatives; Corrosion of household plumbing systems.
Lead	2022	0	15	0.00	0.00 – 8.59	0	ppb	N	Corrosion of household plumbing systems; Erosion of natural deposits.

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. Beech Island Rural Community Water District is responsible for providing high quality drinking water and removing lead pipes but cannot control the variety of materials used in plumbing components in your home. You share the responsibility for protecting yourself and your family from the lead in your home plumbing. You can take responsibility by identifying and removing lead materials within your home plumbing and taking steps to reduce your family's risk. Before drinking tap water, flush your pipes for several minutes by running your tap, taking a shower, doing laundry or a load of dishes. You can also use a filter certified by an American National Standards Institute accredited certifier to reduce lead in drinking water. If you are concerned about lead in your water and wish to have your water tested, contact Beech Island Rural Community Water District and James Taylor at (803) 827-1004. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available at http://www.epa.gov/safewater/lead.

Regulated Contaminants								
Disinfectants and Disinfection By-Products	**Collection Date**	**Highest Level Detected**	**Range of Levels Detected**	**MCLG**	**MCL**	**Units**	**Violation (Y/N)**	**Likely Source of Contamination**
Chlorine	2024	1.00	0.42 – 0.72	MRDLG = 4	MRDL = 4	ppm	N	Water additive used to control microbes.
Total Haloacetic Acids (HAA5)	2024	0.00	0.00 – 0.00	No goal for the total	60	ppb	N	By-product of drinking water disinfection.
Total Trihalomethanes (TTHM)	2022	0.00	0.00 – 0.00	No goal for the total	80	ppb	N	By-product of drinking water disinfection.

Inorganic Contaminants	**Collection Date**	**Highest Level Detected**	**Range of Levels Detected**	**MCLG**	**MCL**	**Units**	**Violation (Y/N)**	**Likely Source of Contamination**
Nitrate (measured as Nitrogen)	2024	1.8	0.00 – 1.80	10	10	ppm	N	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits.
Sodium	2022	2.1	1.2 – 1.2	NA	NA	ppm	N	Naturally occurring.
Radioactive Contaminants	**Collection Date**	**Highest Level Detected**	**Range of Levels Detected**	**MCLG**	**MCL**	**Units**	**Violation (Y/N)**	**Likely Source of Contamination**
Combined Radium 226/228	7/2/2024	1.6	0.503 – 1.31	0	5	pCi/L	N	Erosion of natural deposits.
Gross alpha excluding radon and uranium	2022	0.00	0.00 – 0.00	0	15	pCi/L	N	Erosion of natural deposits.