

2023 Water Quality Report

Town of Bowman

System # 3810004

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 Town of Bowman purchases water from Orangeburg County, who purchases from Town of Santee, who purchases from Lake Marion Regional Water System.

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 Yvonne Lewis at (803) 829-2666. 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 first Tuesday of every month at 7:00 pm at the Bowman Town Hall located at 131 Poplar Street. The public is encouraged to attend.

This report shows our water quality and what it means. The Town of Bowman routinely monitors constituents in your drinking water according to Federal and State laws. As water travels over the 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 small amounts of some 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, 2023. In this table you will find the following terms and abbreviations:

Action Level (AL) - the concentration of a contaminant which, if exceeded, triggers treatment or other requirements which 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** - 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. 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.

Town of Bowman #3810004

LEAD AND COPPER TEST RESULTS								
Contaminant	Date Sampled	MCLG	Action Level (AL)	Units	99 th percentile	# Sites over AL	Violation (Y/N)	Likely Source of Contamination
Copper	2023	1.3	1.3	ppm	0.30	0	N	Erosion of natural deposits; leaching from wood preservatives; Corrosion of household plumbing systems.
Lead	2023	0	15	ppb	2.6	1	N	Corrosion of household plumbing; Erosion of natural deposits.

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	2023	1.00	1.00 – 1.00	MRDLG 4	MRDL 4	ppm	N	Water additive used to control microbes
Haloacetic Acids (HAA5)	2023	3.00	0.0 – 11.855	No goal for the total	60	ppb	N	By-product of drinking water disinfection
Total Trihalomethanes (TTHM)	2023	1.00	0.0 – 1.5714	No goal for the total	80	ppb	N	By-product of drinking water disinfection

COLIFORM BACTERIA						
Maximum Contaminant Level Goal	Total Coliform Maximum Contaminant Level	Highest No. of Positive	Fecal Coliform or E. Coli Maximum Contaminant Level	Total No. of Positive E. Coli or Fecal Coliform Samples	Violation (Y/N)	Likely Source of Contamination
0	1 positive monthly sample	1.000		0	No	Naturally present in the environment

Lake Marion Regional Water System #3820003

TEST RESULTS								
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)	2023	0.37	0.37 – 0.37	10	10	ppm	N	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits
Sodium (unregulated contaminant)	2023	14	14 – 14	N/A	N/A	ppm	N	Erosion of natural deposits

TURBIDITY				
	Limit (Treatment Technique)	Level Detected	Violation (Y/N)	Likely Source of Contamination
Highest single measurement	1 NTU	0.070 NTU	N	Soil runoff
Lowest monthly % meeting limit	0.3 NTU	100.000%	N	Soil runoff

Information Statement: Turbidity is a measurement of the cloudiness of the water caused by suspended particles. We monitor it as a good indicator of water quality and the effectiveness of our filtration.