2023 Water Quality Report
City of Walterboro
DHEC System # 1510004

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. We are presently utilizing nine wells which draw from several different aquifers including the Tuscaloosa, Mendendorf, Floridan, and Black Creek.
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 Wayne Crosby at 843-782-1020. 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 and fourth Tuesday of every month at 6:15 pm at the City Hall.

This report shows our water quality and what it means. The City of Walterboro 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**.**

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LEAD AND COPPER TEST RESULTS

Contaminant	Violation Y/N	90th percentile	Unit Measurement	MCLG	Action Level	Sites over action level	Likely Source of Contamination
Copper 2023	N	0.043	ppm	1.3	1.3	0	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives.
Lead 2023	N	0.740	ppb	0	15	0	Corrosion of household plumbing systems; erosion of natural deposits

REGULATED CONTAMINANTS

Disinfectants and disinfection by-products	Date Sampled	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Violation Y/N	Units	Likely Source of Contamination
Chlorine	2023	0.64	0.18 – 0.64	4	4	N	ppm	Water additive used to control microbes
Haloacetic Acids (HAA5) 2023	2023	2.0	1.7 – 1.7	No goal for the total	60	N	ppb	By-product of drinking water disinfection
Total Trihalomethanes (TTHM)	2023	2.0	2.2 – 2.3	No goal for the total	80	N	ppb	By-product of drinking water disinfection

INORGANIC CONTAMINANTS

Inorganic Contaminant	Collection Date	Highest Level Detected	Range of Level Detected	MCLG	MCL	Units	Violation	Likely Source of Contamination
Fluoride	2023	0.76	0.76 – 0.76	4	4.0	ppm	N	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories

Radioactive Contaminants	Collection Date	Highest Level Detected	Range of Level Detected	MCLG	MCL	Units	Violation	Likely Source of Contamination
Beta/photon emitters	2021	8.35	0.00 – 8.35	0	4	mrem/yr	N	Decay of natural and man-made deposits

*The MCL for beta particles is 4 mrem/year. EPA considers 50 pCi/L to be the level of concern for beta particles. Because the beta particle results were below 50 pCi/L, no testing for individual beta particle constituents was required.

Other Substances Monitored in Drinking Water

NAME	REPORTED LEVEL ppm	RANGE Low - High
Sodium 2022	89	89 - 89

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