

2023 Annual Drinking Water Quality Report
McCormick Commission of Public Works
SCDHEC System #SC3510001

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. Our water source is Strom Thurmond Reservoir. A Source Water Assessment plan has been completed for our system by SCDEHEC. Our Source Water Assessment Plan is available for your review by contacting SCDHEC at 803-898-3531.

If you have any questions about this report or concerning your water utility, please contact Eddie Brown at 864-852-2224 Ext. 2. We want our 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 at 5pm, on the second Thursday at the CPW office.

McCormick CPW routinely monitors for constituents 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, 2023. 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 constituents. It's important to remember that the presence of these constituents does not necessarily pose a health risk.

TEST RESULTS						
Contaminant	Violation Y/N	Level Detected	Unit Measurement	MCLG	MCL	Likely Source of Contamination
Lead and Copper Test Results						
Copper 2021 No sites over the AL	N	90 th Percentile 0.113	ppm	1.3	AL=1.3	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
Lead (2021)	N	0E-9	ppb	0	15	
Disinfectants and Disinfection By Products						
Haloacetic acids (HAAs) 2023	N	38 Range 13.4- 78.0	ppb	0	60	By-product of drinking water disinfectant
Total trihalomethanes (TTHM) 2023	N	69 Range 44.9- 69.0	ppb	0	80	By-product of drinking water chlorination
Chlorine 2023	N	1 Range 1.0-1.0	ppm	MRDL= 4	MRDLG = 4	Water additive used to control microbes

Inorganic Contaminants						
Nitrate (measured as Nitrogen) 2023	N	0.1 Range 0.1-0.1	ppm	N/A	N/A	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits
Sodium (2022) (unregulated contaminant)	N	14	ppm	N/A	N/A	Naturally Occuring

Coliform Bacteria (2023)						
Maximum Contaminant Level Goal	Total Coliform Maximum Contaminant Level	Highest number of positive	Fecal Coliform or E. Coli Maximum Contaminant Level	Positive No. of E. Coli or Fecal Coliform Samples	Violation	Likely Source of Contamination
0	1 positive monthly sample	1.0		0	N	Naturally present in the environment

Turbidity (2023)

	Limit (Treatment Technique)	Level Detected	Violation	Likely Source of Contamination
Highest Single Measurement	1 NTU	0.200 NTU	N	Soil Runoff.
Lowest monthly % meeting limit	0.3 NTU	100.000%	N	Soil Runoff.

Violation Table 2023

Surface Water Treatment Rule (SWTR)			
SWTR applies to all water systems using surface water sources or ground water under direct influence of surface water and developed treatment technique requirements for filtered and unfiltered public water systems to protect against acute adverse health effects from pathogens.			
Violation Type	Violation Begin	Violation End	Violation Explanation
SOURCE WATER ALKALINITY AND FINISHED WATER TOC	11/2022	12/2022	We failed to properly monitor and/or report source water alkalinity and finished water TOC. Because of this failure, we cannot be sure of the quality of our drinking water during the period indicated.

A sample schedule has been developed to collect TOC samples the first week of every month going forward.*

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.

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.

Nephelometric Turbidity Unit (NTU) - nephelometric turbidity unit is a measure of the clarity of water. Turbidity in excess of 5 NTU is just noticeable to the average person.

Action Level - the concentration of a contaminant that, if exceeded, triggers treatment or other requirements that a water system must follow.

Treatment Technique (TT) - A treatment technique is a required process intended to reduce the level of a contaminant in drinking water.

Maximum Contaminant Level (MCL) - 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 (MCLG) - 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.

Total Organic Carbon (TOC) Removal - The percent removal must be at least 1 or the system is in violation.

All sources of drinking water are subject to potential contamination by substances that are naturally occurring or man made. These substances can be microbes, inorganic or organic chemicals and radioactive substances. All 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 the water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the Environmental Protection Agency's Safe Drinking Water Hotline at 1-800-426-4791.

If present, elevated lead levels 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. McCormick CPW is responsible for providing high quality drinking water, but cannot control the variety of materials used in plumbing components. 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>

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/CDC guidelines on appropriate means to lessen the risk of infection by cryptosporidium and other microbiological contaminants are available from the Safe Drinking Water Hotline 1-800-426-4791.