2024
Annual Drinking Water Quality Report
City of Liberty
System #3910003

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 treated surface water purchased from Greenville Water System and Easley-Central Water Department. Our raw water sources are most susceptible to contamination from runoff or environmental conditions.

If you have any questions about this report or concerning your water utility, please contact Public Works at 864-843-3177 option #2. 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 each month at 6:00 PM at City Hall, 419 East Main St, Liberty, SC or, stop by City Hall at any time.

The City of Liberty 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, 2024. As water travels over the land or underground, it can pick up substances or contaminants such as microbes, inorganic 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:

ppm: parts per million, or milligrams per liter (mg/L)
ppb: parts per billion, or micrograms per liter (µg/L)
NA: not applicable
ND: Not detected
NR: Monitoring not required but recommended.
MCLG: Maximum Contaminant Level Goal: 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.
MCL: Maximum Contaminant Level: The highest level of a contaminant that is allowed in drinking water. MCLs are set as close to MCLGs as feasible using the best available treatment technology.
TT: Treatment Technique: A required process intended to reduce the level of a contaminant in drinking water.
AL: Action Level: The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.
Variances and Exemptions: State or EPA permission not to meet an MCL or a treatment technique under certain conditions.

TEST RESULTS

City of Liberty
(SC3910003)

Contaminant	Violation Y/N	Level Detected	Unit Measurement	MCLG	MCL	Likely Source of Contamination
Chlorine (2024)	N	1.3 Range 0.07-1.3	ppm	4	4	Additive used to control microbes
Haloacetic acids (HAAs) (2024)	N	13 Range 6.848-12.704	ppb	60	n/a	By-product of drinking water disinfectant
Total Trihalomethanes (TTHM) (2024)	N	10 Range 5.5824-10.024	ppb	80	n/a	By-product of drinking water chlorination

Lead and Copper

Contaminant	Violation Y/N	90th Percentile	Unit Measurement	Action Level	Sites over action level	Likely Source of Contamination
Copper (2022)	N	0.022 Range 0-0.049	ppm	1.3	0	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
Lead (2022)	N	0 Range 0-13	ppm	15	0	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives

Easley Combined Water System
(SC3910002)

Inorganic Contaminants	Violation Y/N	Level Detected	Unit Measurement	MCLG	MCL	Likely Source of Contamination
Fluoride (2024)	N	0.48 Range 0.48-0.48	ppm	4	4	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories
Nitrate (as Nitrogen) (2024)	N	0.14 Range 0.14-0.14	ppm	10	10	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits
Sodium (2024) **Unregulated Contaminant	N/A	11 Range 11-11	ppm	N/A	N/A	Erosion of natural deposits

Turbidity

	Limit (Treatment Technique)	Level Detected	Violation	Likely Source of Contamination
Highest single measurement	1 NTU	0.100 NTU	No	Soil runoff
Lowest monthly % meeting limit	0.3 NTU	100.000%	No	Soil runoff

Greenville Water System (SC2310001)						
Inorganic Contaminants	Violation Y/N	Level Detected	Unit Measurement	MCLG	MCL	Likely Source of Contamination
Fluoride (2024)	N	0.63 Range 0.61-0.63	ppm	4	4	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories
Nitrate (as Nitrogen) (2024)	N	0.053 Range 0-0.053	ppm	10	10	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits
Sodium (2024) **Unregulated Contaminant	N/A	5.7 Range 5.7-5.7	ppm	N/A	N/A	Erosion of natural deposits

Turbidity

	Limit (Treatment Technique)	Level Detected	Violation	Likely Source of Contamination
Highest single measurement	1 NTU	0.070 NTU	No	Soil runoff
Lowest monthly % meeting limit	0.3 NTU	100.000%	No	Soil runoff

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. The City of Liberty 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 The City of Liberty at 864-843-3177 option #2. 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.

A lead service line inventory was completed throughout our system, in 2024. For more information on this inventory please contact us at 864-843-3177 option #2.

As you can see by the table, our system had no violations. We're proud that your drinking water meets or exceeds all Federal and State requirements. We have learned through our monitoring and testing that some constituents have been detected. The EPA has determined that your water IS SAFE at these levels.

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.

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 (800-426-4791).