2024 Water Quality Report

Town of Jackson

System #SC0210002

We're pleased to present to you this year's Annual Quality Water Report. This report is designed to inform you about the quality of water and the 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. The source of our water is groundwater from two wells, McElmurray Farm Rd. and SC Hwy.125. A Source Water Assessment plan for our system has been completed by SCDES. For information on this document, please contact SCDES at (803) 898-3531. If you have any questions about this report or concerning your water utility, please contact the Town of Jackson water department at (803) 471-2229. If you want to learn more, please attend any of our regularly scheduled meetings on the second Tuesday of each month at 5:00 PM.

The Town of Jackson routinely monitors constituents in your drinking water according to Federal and State laws. The Town of Jackson water system (SC0220006) 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. This table shows the results of our monitoring for the period of January 1 to December 31, 2024. 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 some small amounts of constituents.

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.

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 Town of Jackson 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 Town of Jackson water department at (803) 471-2229. 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.

It's important to remember that the presence of these constituents does not necessarily pose a health risk. 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.
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.
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.
Picocuries per liter (pCi/L) – Picocuries per liter is a measure of the radioactivity in water.

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Lead and Copper Test Results

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	0.18	0.0062 – 0.27	0	ppm	N	Erosion of natural deposits; Leaching from wood preservatives; Corrosion of household plumbing systems.
Lead	2022	0	15	0.71	0.0 – 3.1	0	ppb	N	Corrosion of household plumbing systems. Erosion of natural deposits.

Regulated Contaminants Test Results

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	1.00 – 1.00	MRDLG = 4	MRDL = 4	ppm	N	Water additive used to control microbes.
Total Trihalomethanes (TTHM)	2023	3.00	0.00 – 2.5399	No goal for the total	80	ppb	N	By-product of drinking water disinfection.

Inorganic Contaminants Test Results

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	1.00	0.57 – 0.81	10	10	ppm	N	Runoff from fertilizer use. Leaching from septic tanks, sewage; Erosion of natural deposits.
Sodium *Unregulated Contaminant	2022	23	23 – 23	NA	NA	ppm	N	Naturally occurring, erosion of natural deposits.

Radioactive Contaminants Test Results

Contaminants	Collection Date	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Units	Violation (Y//N)	Likely Source of Contamination
Combined Radium 226/228	2022	0.466	0.223 - 0.446	0	5	pCi/L	N	Erosion of natural deposits.