

2021 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 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. 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 SCDHEC. For information on this document, please contact SCHDEC at 803-898-3531. If you have any questions about this report or concerning your water utility, please contact Will New at 803-471-2229. If you want to learn more, please attend any of our regularly scheduled meetings the second Tuesday of each month at 5:00 PM.

The Town of Jackson 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 1 to December 31, 2021. 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. 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.

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 and Copper – Inorganic Contaminants

| Contaminants (unit of measure) | ALG | AL | 90 th percentile | # Samples Exceeding AL | Exceeds AL (Yes/No) | Sample Date | Typical Source |
|--|-----|-----|-----------------------------|------------------------|---------------------|-------------|---|
| Copper-action level at consumer taps (ppm) | 1.3 | 1.3 | 0.32 | 1 | No | 2019 | Erosion of natural deposits; Leaching from wood preservatives; Corrosion of household plumbing systems. |
| Lead-action level at consumer taps (ppb) | 0 | 15 | 2.2 | 0 | No | 2019 | Corrosion of household plumbing systems. Erosion of natural deposits. |

Chemical Constituents

| Contaminants (unit of measure) | MCLG or MRDLG | MCL, TT, or MRDL | Detect in Your Water | Range | Violation (Yes or No) | Sample Date | Typical Source |
|--------------------------------|---------------|------------------|----------------------|-------------|-----------------------|-------------|--|
| Nitrate (ppm) | 10 | 10 | 1.0 | 0.53 – 0.76 | No | 2021 | Runoff from fertilizer use. Erosion of natural deposits. |
| Sodium (ppm) | NA | NA | 18 (average) | 16 – 19 | No | 2017 | Naturally occurring. |

Disinfectant and Disinfection By-Products

| Contaminants (unit of measure) | MCLG or MRDLG | MCL, TT, or MRDL | Detect in Your Water | Range | Violation (Yes or No) | Sample Date | Typical Source |
|-------------------------------------|-----------------------|------------------|----------------------|-----------|-----------------------|-------------|--|
| Chlorine (ppm) | 4 | 4 | 1.0 RAA | 1.0 – 1.0 | No | 2021 | Water additive used to control microbes |
| TTHMs [Total Trihalomethanes] (ppb) | No goal for the total | 80 | 3 | 3.1 – 3.1 | No | 2021 | By-product of drinking water disinfection. |

If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from material and components associated with service lines and home plumbing. The Town of Jackson 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 (800-426-4791).