2024 Water Quality Report

Starr-Iva Water and Sewer District
System #0420005

We're pleased to provide you with this year's Annual 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 a safe and dependable supply of drinking water. We are committed to ensuring the quality of your water. The source of our water is the Anderson Joint Regional Water System that treats water from Lake Hartwell. Our raw water sources are most susceptible to contamination from runoff or environmental conditions

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 2nd Tuesday of each month at 7:00 pm at the district office located at 104 Roy Arnold Rd., Starr, SC.

This report shows our water quality and what it means. Starr-Iva Water and Sewer District routinely monitors constituents in your drinking water according to Federal and State laws. As water travels over 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 some small amounts of constituents. It's important to remember that the presence of these constituents does not necessarily pose a health risk. A lead service line inventory was completed throughout our system in 2024… For more information on this inventory, please contact our office at 864-352-6717.

The table below shows the results of our monitoring for the period of January 1st to December 31st, 2024. 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 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 contaminants that are 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.

Starr-Iva Water and Sewer District #SC0420005 Data

Lead and Copper

Contaminants (unit of measure)	AL	90th percentile	# Samples Exceeding AL	Exceeds AL (Yes/No)	Typical Source
Copper (ppm) (2022)	1.3	0 Range 0-0.235	0	No	Erosion of natural deposits; Leaching from wood preservatives; Corrosion of household plumbing systems.
Lead (ppm) (2022)	15	0 Range 0-7	0	N	Corrosion of household plumbing systems; erosion of natural deposits

Disinfectant and Disinfection By-Products

Contaminants (unit of measure)	MCLG or MRDLG	MCL, TT, or MRDL	Detect in Your Water	Range	Violation (Yes / No)	Typical Source
Chlorine (ppm) (2024)	4	4	1.4 RAA	1.1– 1.4	No	Water additive used to control microbes
HAAs [Haloacetic Acids] (HAA5) (ppb) (2024)	No goal for the total	60	19 LRAA	6.5-30.2	No	By-product of drinking water chlorination.
TTHMs [Total Trihalomethanes] (ppb) (2024)	No goal for the total	80	51 LRAA	10.5-65.6	No	By-product of drinking water disinfection.

Anderson Regional Joint (SC0420011)

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	0.12	0.12-0.12	No	2024	Runoff from fertilizer use. Erosion of natural deposits.
Fluoride (ppm)	4	4	0	0-0	No	2024	Runoff from fertilizer use. Erosion of natural deposits.
Sodium (ppm) [unregulated]	NA	NA	5.5	5.5-5.5	No	2024	Naturally occurring.

Turbidity

	Limit (treatment Technique)	Level Detected	Violation	Likely Source of Contamination
Highest single measurement	1 NTU	0.070 NTU	N	Soil runoff
Lowest monthly % meeting limit	0.3 NTU	100.000%	N	Soil runoff

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 you have special health needs--

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised people such as people with cancer undergoing chemotherapy, people 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).

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. Starr-Iva Water and Sewer District 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 Starr-Iva Water and Sewer District at 864-352-6717Information 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 864-352-6717