

**West Anderson Water District
2021 Annual Drinking Water Quality Report
SCDHEC#0420006 Spring 2022**

We are pleased to present you with 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 to protect our water resources. We are committed to ensuring the quality of your water. We purchase water from Anderson Regional Water System which treats surface water from Lake Hartwell.

A Source Water Assessment Plan has been prepared for our system. Our Source Water Assessment Plan is available by Freedom of Information (FOI) from SCDHEC Bureau of water at 803-898-3531. If you have any questions about this report or concerning your water utility, please contact John Lollis at 864-225-5741. We want our valued customers to be informed about their water utility. If you want to learn more, please attend our annual meeting in February. You will be informed about the date and time by visiting our website at www.westandersonwaterdistrict.us

West Anderson Water District 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 of 2021. All drinking water, including bottle 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 many terms and abbreviations you might not be familiar with. To help you better understand these terms we have 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 1 minute in 2 years, a single penny in \$10,000 or 1 ounce in 7350 gallons of water

Parts per billion (ppb) or Micrograms per liter- 1 (ppb) corresponds to 1 minute in 2000 years, or a single penny in \$10,000,000, or 1 ounce in 7,350,000 gallon of water.

Action level – The concentration of a contaminant that, if exceeded, triggers treatment or other requirements that a water system must follow.

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 (MCLG) 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 risk to health. (MCLG)s allow for a margin of safety.

Maximum Residual Disinfectant Level Goal (MRDLG) – The level of a drinking water disinfectant below which there is no known or expected risk to health. (MRDLG)s do not reflect the benefits of the use of disinfectants to control microbial contaminants.

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.

Anderson Regional Joint Water’s CCR results

Inorganic Contaminants 2021

Disinfection and disinfection by products	Collection Date	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Units	Violation	Likely Source of Contamination
Fluoride	2021	.50	0.47-0.47	4	4.0	Ppm	N	Erosion of natural deposits; water additive which promotes strong teeth; Discharge from fertilizer and aluminum factories.
Nitrate [measured as Nitrogen]	2021	.15	0.15-0.15	10	10	Ppm	N	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits.

West Anderson Water District Test Results 2021

Lead and Copper 2019

Lead and copper	Date sampled	MCLG	Action Level (AL)	90 th Percentile	# of sites over (AL)	Units	Violation	Likely Source of Contamination
Copper	09/06/2019	1.3	1.3	0.1930000	0	Ppm	N	Erosion of natural deposits; leaching from wood preservatives; corrosion of household plumbing systems.
Lead	09/06/2019	0	15	3.00000	2	Ppb	N	Corrosion of household plumbing systems; erosion of natural deposits.

Regulated Contaminants 2021

Disinfectants/Disinfectant by-Products	Collection Date	Highest Level Detected	Range of levels Detected	MCLG	MCL	Units	Violation	Likely Source of Contamination
Chlorine	2021	1.4	1.2 - 1.4	MRDLG=4	MRDL=4	Ppm	N	Water additive used to control microbes.
Haloacetic Acids (HAA5)	2021	24.0	9.0 – 34.8	No goal for total	60	Ppb	N	By-product of drinking water disinfection.
Total Trihalomethanes (TTHM)	2021	36.0	12.4 -50.6	No goal for total	80	ppb	N	By-product of drinking water disinfection.

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 be 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 EPA'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 Safe Drinking Water Hotline at 1-800-426-4791. Please call our office at 864-225-5741 if you have any questions.