

**CITY OF ABBEVILLE (0110001)**  
**Consumer Confidence Report 2022**

**Spanish (Española)**

Este informe contiene informacion muy importante sobre la calidad de su agua beber. Traduscalo o hable con alguien que lo entienda bien.

**Is my water safe?**

We are pleased to present this year's Annual Water Quality Report (Consumer Confidence Report) as required by the Safe Drinking Water Act (SDWA). This report is designed to provide details about where your water comes from, what it contains, and how it compares to standards set by regulatory agencies. This report is a snapshot of last year's water quality. We are committed to providing you with information because informed customers are our best allies.

**Do I need to take special precautions?**

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/Centers for Disease Control (CDC) guidelines on appropriate means to lessen the risk of infection by Cryptosporidium and other microbial contaminants are available from the Safe Water Drinking Hotline (800-426-4791).

**Where does my water come from?**

The source of drinking water used by the City of Abbeville (System no. 0110001) is Surface Water from the Wilson Creek Branch of Richard Russell Lake. Our Water Treatment Plant is within the city limits of Abbeville on 406 Vienna Street. Our plant is a conventional surface water treatment facility which is presently rated to produce 4.5 million gallons per day with a maximum production capacity of 9.0 million gallons per day. Our current production level is around 3.2 million gallons per day at peak. We encourage the citizens of Abbeville to plan a visit to the Treatment Plant to see how the water you are supplied is treated. Please feel free to contact Ray Hilley at 864-366-2427 to arrange a tour of the facility.

**Source water assessment and its availability**

Raw water sources are most susceptible to contamination from runoff or environmental conditions. For more information about source water assessment visit <https://scdhec.gov/environment/your-water-coast/source-water-protection>.

**Why are there contaminants in my drinking water?**

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 water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the Environmental Protection Agency's (EPA) Safe Drinking Water Hotline (800-426-4791). The sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs, and wells. As water travels over the surface of the land or through the ground, it dissolves naturally occurring minerals and, in some cases, radioactive material, and can pick up substances resulting from the presence of animals or from human activity: microbial contaminants, such as viruses and bacteria, that may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife; inorganic contaminants, such as salts and metals, which can be naturally occurring or result from urban storm water runoff, industrial, or domestic wastewater discharges, oil and gas production, mining, or farming; pesticides and herbicides, which may come from a variety of sources such as agriculture, urban storm water runoff, and residential uses; organic Chemical Contaminants, including synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum production, and can also come from gas stations, urban storm water runoff, and septic systems; and radioactive contaminants, which can be naturally occurring or be the result of oil and gas production and mining activities. To ensure that tap water is safe to drink, EPA prescribes regulations that limit the amount of certain contaminants in water provided by public water systems. Food and Drug Administration (FDA) regulations establish limits for contaminants in bottled water which must provide the same protection for public health.

**Additional Information for Lead**

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 materials and components associated with service lines and home plumbing. **CITY OF ABBEVILLE (0110001)** 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 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>.

**Water Quality Data Table**

In order to ensure that tap water is safe to drink, EPA prescribes regulations which limit the amount of contaminants in water provided by public water systems. The table below lists all the drinking water contaminants that we detected during the calendar year of this report. Although many more contaminants were tested, only those substances listed below were found in your water. All sources of drinking water contain some naturally occurring contaminants. At low levels, these substances are generally not harmful in our drinking water. Removing all contaminants would be extremely expensive, and in most cases, would not provide increased protection of public health. A few naturally occurring minerals may improve the taste of drinking water and have nutritional value at low levels. Unless otherwise noted, the data presented in this table is from testing done in the calendar year of the report. The EPA or the State requires us to monitor for certain contaminants less than once per year because the concentrations of these contaminants do not vary significantly from year to year, or the system is not considered vulnerable to this type of contamination. As such, some of our data, though representative, may be more than one year old. In this table you will find terms and

abbreviations that might not be familiar to you. To help you better understand these terms, we have provided the definitions below the table.

### WATER QUALITY DATA TABLE

#### Lead and Copper – Inorganic Contaminants

Contaminants (unit of measure)	ALG	AL	90 <sup>th</sup> percentile	# Samples Exceeding AL	Exceeds AL (Yes/No)	Sample Date	Typical Source
Copper-action level at consumer taps (ppm)	1.3	1.3	0.226	0	No	2022	Erosion of natural deposits; Leaching from wood preservatives; Corrosion of household plumbing systems.
Lead-action level at consumer taps (ppb)	0	15	2.000	0	No	2022	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	0.60	0.60 – 0.60	No	2022	Runoff from fertilizer use. Erosion of natural deposits.
Sodium (ppm) [unregulated]	NA	NA	4.5	4.5-4.5	No	2022	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	0.55-1.26	No	2022	Water additive used to control microbes
HAAs [Haloacetic Acids] (HAA5) (ppb)	No goal for the total	60	30 LRAA	20.1-35.7	No	2022	By-product of drinking water chlorination.
TTHMs [Total Trihalomethanes] (ppb)	No goal for the total	80	70 LRAA	29.5 – 76.4	No	2022	By-product of drinking water disinfection.

#### Turbidity Data

	Limit (Treatment Technique)	Level Detected	Violation	Likely Source of Contamination
Highest single measurement	1 NTU	0.310 NTU	No	Soil runoff
Lowest monthly % meeting limit	0.3 NTU	100.000%	No	Soil runoff

Turbidity is a measurement of the cloudiness of the water caused by suspended particles. We monitor it because it is a good indicator of water quality and the effectiveness of our filtration.

#### Total Organic Carbon Information for

The percentage of Total Organic Carbon (TOC) removal was measured each month and the system met all TOC removal requirements set, unless a TOC violation is noted in the violations section.

#### Compliance with Other Drinking Water Regulations

#### Violation Table

Disinfectants and Disinfection Byproducts Rule 1
The Stage 1 Disinfectants and Disinfection Byproducts Rule reduces exposure to disinfection byproducts for customers of community water systems and non-transient non-community systems, including those serving fewer than 10,000 people, that add a disinfectant to the drinking water during any part of the treatment process.

The Stage 1 Disinfectants and Disinfection Byproducts Rule reduces exposure to disinfection byproducts for customers of community water

Violation Type	Violation Begin	Violation End	Violation Explanation
QUALIFIED OPERATOR FAILURE	12/01/2021	02/01/2022	We failed to have a qualified person operate our water system for the period indicated.

systems and non-transient non-community systems, including those serving fewer than 10,000 people, that add a disinfectant to the drinking water during any part of the treatment process.

**Tables for Unit Descriptions and Important Drinking Water Definitions**

Unit Description	
Term	Definition
ppm	ppm, parts per million, or milligrams per liter (mg/L)
ppb	ppb, parts per billion, or micrograms per liter (µg/L)
pCi/L	pCi/L, picocuries per liter, quantity of radioactive material.
mrem	mrem; millirems per year (a measure of radiation absorbed by the body).
NA	NA, not applicable
ND	ND, not detected
NR	NR, monitoring not required but recommended

**For more information please contact:  
CITY OF ABBEVILLE (0110001)  
Contact Name: BLAKE STONE  
Address: CITY OF ABBEVILLE, PO BOX  
40, ABBEVILLE, SC 29620  
Phone 864-366-5017**

Important Drinking Water Definitions	
Term	Definition
AVG	AVG: Regulatory compliance with some MCLs are based on running annual average (RAA) of monthly samples.
LRAA	LRAA: Locational running annual average. Average of results for samples taken at a particular monitoring location.
MCLG	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	MCL: Maximum Contaminant Level: 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.
TT	TT: Treatment Technique: A required process intended to reduce the level of a contaminant in drinking water.
AL	AL: Action Level: The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.
ALG	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.
Variations and Exemptions	Variations and Exemptions: State or EPA permission not to meet an MCL or a treatment technique under certain conditions.
MRDLG	MRDLG: Maximum residual disinfection level goal. 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.
MRDL	MRDL: Maximum residual disinfectant level. 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.
MNR	MNR: Monitored Not Regulated
MPL	MPL: State Assigned Maximum Permissible Level

**Water Conservation Tips**

Did you know that the average U.S. household uses approximately 400 gallons of water per day or 100 gallons per person per day? Luckily, there are many low-cost and no-cost ways to conserve water. Small changes can make a big difference - try one today and soon it will become second nature. Visit [www.epa.gov/watersense](http://www.epa.gov/watersense) for more information.

- Take short showers.
- Shut off water while brushing your teeth.
- Use a water-efficient showerhead.
- Run clothes washer and dishwasher only when full.
- Water plants only when necessary.
- Fix leaky toilets and faucets.

- Adjust sprinklers so only your lawn is watered.
- Teach your kids about water conservation.

**Source Water Protection Tips**

Protection of drinking water is everyone's responsibility. You can help protect your community's drinking water source in several ways:

- Eliminate excess use of lawn and garden fertilizers and pesticides.
- Pick up after your pets.
- If you use a septic system, properly maintain your system to reduce leaching to water sources or consider connecting to a public system.
- Dispose of chemicals properly.
- Volunteer in your community. Find a watershed organization and volunteer to help. Use EPA's Adopt Your Watershed to locate groups in your community.
- Organize a storm drain stenciling project with your local government or water provider.