



# 2025 Annual Drinking Water Report

Includes water testing for 2024

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South Carolina PWS  
No. SC2820005

**Cassatt Water is pleased to present the 2025 Annual Drinking Water Quality Report ("Consumer Confidence Report") as required by the Safe Drinking Water Act (SDWA).** This report provides Cassatt Water customers with information regarding your drinking water system and summarizes last year's water quality. Included are details about where your water comes from, what it contains, and how it compares to standards set by regulatory agencies. 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.

**Spanish (Española):** Este informe contiene informacion muy importante sobre la calidad de su agua beber. Traduscalo o hable con alguien que lo entienda bien.

#### **About Our Water Sources:**

The majority of water distributed by Cassatt Water is groundwater obtained from fourteen (14) wells located in Lee County and Kershaw County, within the Cassatt Water service area. Additionally, some water is purchased from the Alligator Rural Water & Sewer Company, Inc. The water purchased from Alligator Rural Water and Sewer is groundwater from nine (9) deep wells in the McBee, S.C. area and treated at their water treatment facility in McBee.

#### **Information about Contaminants in 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 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, may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife. Inorganic contaminants, such as salts and metals, can be naturally-occurring or result from urban stormwater runoff, industrial or domestic wastewater discharges, oil and gas production, mining, or farming. Pesticides and herbicides may come from a variety of sources such as agriculture, urban stormwater runoff, and residential uses. Organic Chemical Contaminants, including synthetic and volatile organic chemicals, are by-products of industrial processes and petroleum production, and can also come from gas stations, urban stormwater runoff, and septic systems.

Radioactive contaminants can be naturally occurring or be the result of oil and gas production and mining activities. In order 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 that must provide the same protection for public health.

#### **For Customers with Special Health Concerns**

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised people 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 guidelines on appropriate means to lessen the risk of infection by *Cryptosporidium* and other microbial contaminants are available from the Safe Drinking Water Hotline (800-426-4791).

#### **Source Water Assessment**

SCDES performed a Source Water Assessment Plan for Cassatt Water in 2007. This plan identifies potential sources of contamination to drinking water supplies. The report for the assessment is available for review. Contact Leigh Anne Flynn at (803) 898-3531 or by e-mail at [LeighAnne.Flynn@des.sc.gov](mailto:LeighAnne.Flynn@des.sc.gov) to review or receive a copy of the document. A copy of the document is available for review at Cassatt Water, 2638 Old Stagecoach Road, Cassatt S.C., 29032.

#### **Source Water Protection**

Protection of drinking water is everyone's responsibility. The aquifer that supplies the groundwater to the wells that Cassatt Water distributes to its customers can be contaminated. Contamination can be caused by farm runoff of fertilizers, herbicides, and pesticides, farm animal waste, abandoned irrigation wells, gas stations, automobile repair shops, industrial discharges, leaking underground storage tanks, leaking sewer pipes, sewer overflows, etc. You can help protect your community's drinking water source in several ways:

- Eliminate excess use of lawn/garden fertilizers and pesticides. They contain hazardous chemicals that can reach your drinking water.
- Pick up after your pets.
- If you have a septic system, properly maintain your system to reduce leaching to water sources or consider connecting to a public sewer system, if available.
- Dispose of chemicals properly; take used motor oil to a recycling center.



## What You Should Know about Lead in Drinking Water

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. Cassatt Water 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 Cassatt Water at (803) 432-8235. 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>.

In compliance with federal regulations, Cassatt Water identified the service line materials throughout our water system and produced an inventory of all our service lines. We have determined that none of our service lines are made of lead. A copy of the service line inventory is available at our office during normal business hours.

## Per- and polyfluoroalkyl substances (PFAS)

Per- and polyfluoroalkyl substances, known more commonly as PFAS, are a group of manufactured chemicals that have been used in industry and consumer products since the 1940s because of their heat, water, and stain resistance. There are thousands of different PFAS, a few of which have been more widely used and studied than the others. PFAS are found in many products in use every day, including:

- Fire extinguishing foam;
- Manufacturing or chemical production facilities that produce or use PFAS;
- Food and food packaging – Fish from PFAS-contaminated waterways or grease-resistant paper and food containers/wrappers;
- Household products and dust – stain and water-repellent used on carpets, upholstery, clothing, and other fabrics; cleaning products; non-stick cookware; and paints, varnishes, and sealants;
- Personal care products – some shampoos, deodorants, toilet paper, dental floss, feminine care products, and cosmetics.
- Drinking water from public drinking water systems and private drinking water wells.

In April 2024, the EPA announced the final National Primary Drinking Water Regulation (NPDWR) for six PFAS. The EPA established legally enforceable levels, called Maximum Contaminant Levels (MCLs), for PFOA, PFOS, PFHxS, PFNA, and HFPO-DA (GenX) as contaminants with individual MCLs, and PFAS mixtures containing at least two or more of PFHxS, PFNA, HFPO-DA (GenX), and PFBS using a Hazard Index MCL to account for the combined and co-occurring levels of these PFAS in drinking water.

In 2021, Cassatt Water conducted water tests for 18 PFAS compounds in its groundwater wells. After multiple rounds of testing, no compounds were found above the detection level of 2.0 parts per trillion (ppt). In January 2024, Cassatt Water conducted testing in compliance with the EPA's Fifth Unregulated Contaminant Monitoring Rule (UCMR 5), which established nationwide monitoring for 29 PFAS substances in the nation's drinking water to address potential public health and environmental risks. All results were less than the Minimum Reporting Level (MRL).

## How You Can Learn More

If you would like to know more about the information provided in this report, please contact John Watkins at (803) 432-8235, ext. 122. Our website, [www.cassattwater.com](http://www.cassattwater.com), provides a wealth of information such as billing and payment information; a list of commission members; authority policies; important notices; water rates and fees; establishing water service; water quality reports; commission meeting dates; and employment opportunities. Cassatt Water holds its board meeting on the 3rd Monday of every month at 2 pm at our office at 2638 Old Stagecoach Road in Cassatt.

## Water Quality Data Table

To ensure that tap water is safe to drink, EPA prescribes regulations that 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 the tables on the next page 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.

# 2024 Water Quality Detection Levels and Sources

Contaminant	MCLG	MCL	Your Water	Range (Low to High)	Sample Date	Violation?	Typical Source of Contaminant
<b>Inorganic Contaminants (Unit)</b>							
Mercury (ppb)	2	2	1.25 (RAA)	0-1.3	2024	No	Erosion of natural deposits; Discharge from refineries & factories; Runoff from landfills; Runoff from cropland.
Nitrate (ppm)	10	10	2.6	0-2.6	2024	No	Runoff from fertilizer use; leaching from septic systems, sewage; Erosion of natural deposits
Di(2-Ethylhexyl) Phthalate (ppb)	0	6	2.7	0-2.7	2024	No	Discharge from rubber & chemical factories
<b>Lead and Copper</b>							
	MCLG	MCL	90th percentile	Range (Low to High)	Sample Date	Violation?	Typical Source of Contaminant
Lead (ppb)	0	15 (AL)	1.5 (0 over AL)	0-3.3	2024	No	Corrosion of household plumbing systems; erosion of natural deposits
Copper (ppm)	1.3	1.3 (AL)	0.16 (0 over AL)	0.0011-0.035	2024	No	Corrosion of household plumbing systems; erosion of natural deposits; leaching of wood preservatives
<b>Disinfectant</b>							
	MRDLG	MRDL	Your Water	Range (Low to High)	Sample Date	Violation?	Typical Source of Contaminant
Chlorine (ppm)	4	4	1 (RAA)	0.65-0.88	2024	No	Water additive used to control microbes
<b>Disinfection By-Products</b>							
	MCLG	MCL	Your Water	Range (Low to High)	Sample Date	Violation?	Typical Source of Contaminant
Haloacetic Acids (HAA) (ppb)	N/A	60	1 (LRAA)	0-4.5	2024	No	By-product of water disinfection
Total Trihalomethanes (TTHMs) (ppb)	N/A	80	3 (LRAA)	0-9.8	2024	No	By-product of water disinfection
<b>Radioactive Contaminants</b>							
	MCLG	MCL	Your Water	Range (Low to High)	Sample Date	Violation?	Typical Source of Contaminant
Beta/photon emitters (mrem/yr)	0	4	5.15*	0-5.15	2024	No	Decay of natural and man-made deposits
Gross Alpha excluding Radon & Uranium (pCi/L)	0	15	6.38	0-6.38	2024	No	Erosion of natural deposits
Combined Radium** 226/228 (pCi/L)	0	5	5 (RAA)	0-11.5	2024	No	Erosion of natural deposits

\* The MCL is based on the running annual average (RAA). The RAA for the beta/photon emitters is 2.5, which is below the MCL.

\*\* Our 14 active groundwater sources are sampled at varying frequencies. Compliance is based on running annual averages for 4 quarters. We are meeting compliance at all sites.

Unregulated Contaminants***	Highest Level Found	Range (Low to High)	Sample Date	Typical Source of Contaminant
Methyl Tert-Butyl Ether [MTBE] (ppb)	6.06	0-6.06	2024	Fuel additive found at or near leaking underground or above ground storage tanks
Sodium (ppm)	52	7.8-52	2024	Naturally occurring

\*\*\*Unregulated contaminant monitoring helps EPA to determine where certain contaminants occur and whether the Agency should consider regulating those contaminants in the future.

For information on the water we purchase from Alligator Water, visit [www.alligatorwater.myruralwater.com/water-quality-report](http://www.alligatorwater.myruralwater.com/water-quality-report).

## Important Drinking Water Definitions:

**Action Level (AL)** - The concentration of a contaminant which, if exceeded, triggers treatment or other requirements that a water system must follow.

**Locational Running Annual Average (LRAA)** - The average of sample analytical results for samples taken at a particular monitoring location during the previous four quarters.

**Maximum Contaminant Level (MCL)** - 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 (MCLG)** - 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.

**Millirems Per Year (mrem/year)** - A measure of radiation absorbed by the body.

**Parts per billion (ppb) or micrograms per liter (µg/l)** - One part per billion corresponds to one minute in 2,000 years, or a single penny in \$10,000,000.

**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 trillion (ppt) or nanograms per liter (ng/l)** - One part per trillion corresponds to one minute in 2,000,000 years, or a single penny in \$10,000,000,000.

**Picocuries per liter (pCi/L)** - Picocuries per liter is a measure of the radioactivity in water. **Running Annual Average (RAA)** - The system-wide running annual average.