

## Cassatt Water Company

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# 2009 Annual Drinking Water Quality Report

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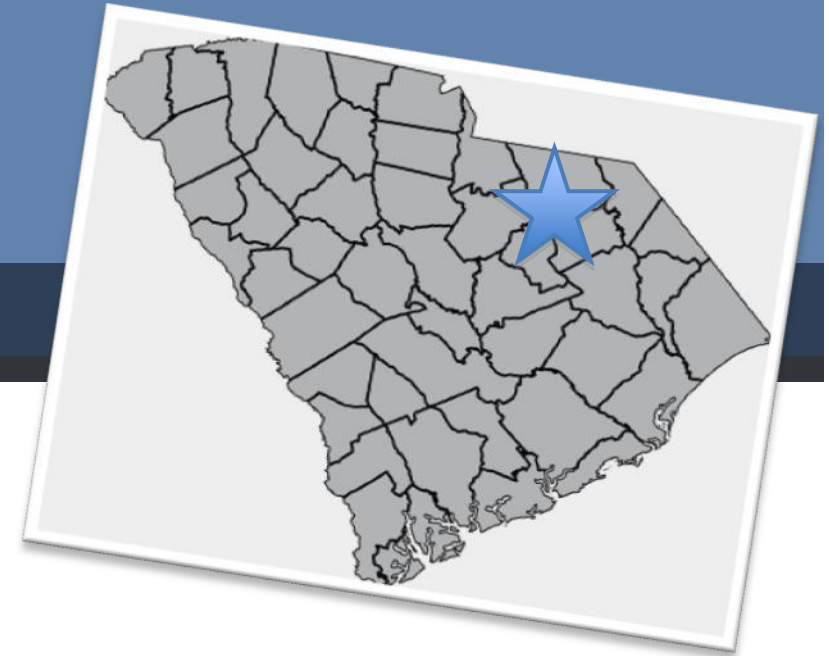
Every gallon of your water meets or exceeds all drinking water standards!

# 2009 Annual Drinking Water Quality Report

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SCDHEC System #2820005



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. Our water is produced from wells within our system and portions purchased from City of Camden and Alligator Rural Water & Sewer Company. Our Source Water Assessment Plan is available for your review at [www.scdhec.net/water/html/srcwtr.html](http://www.scdhec.net/water/html/srcwtr.html). If you do not have Internet access, please contact our office at 803-432-8235 to make arrangements to review this document or to answer questions about this report.

The U.S. Environmental Protection Agency (EPA) requires that all water utilities provide their customers with annual drinking water quality reports, as mandated by the 1996 Amendments to the Safe Drinking Water Act. This report provides Water Customers with information regarding your drinking water consumption and can help you and your family make health-related decisions.

### A MESSAGE TO OUR CUSTOMERS ABOUT WATER PRESSURE

Water distribution systems have areas where water pressure is somewhat higher than is normally needed for household use. As a courtesy to our customers Cassatt Water Co. provides and installs a pressure reducing device on the customer side of the meter at no charge. The pressure reducer belongs to the customer and it is the responsibility of the customer to notify our office if they feel that their water pressure is above normal.

You can get a pressure gauge to monitor your pressure by calling and requesting one. If your pressure is above 70 pounds per square inch call us to check it.



# What's In My 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.

If present, elevated lead levels 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 Company 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 two 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>.

**IF YOU CAN NOT PAY YOUR BILL, CONTACT US BEFORE YOUR SERVICE IS DISCONTINUED FOR NONPAYMENT. 803-432-8235**

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 1-800-426-4791.

## Tips for Conserving Water!

- Adjust sprinklers so only your lawn is watered and not the house, sidewalk, or street.
- Run your clothes washer and dishwasher only when they are full. You can save up to 1,000 gallons a month.
- When buying new appliances, consider one that offers cycle and load size adjustments. They're more water and energy efficient.
- Shorten your shower by a minute or two and you'll save up to 150 gallons per month.
- Other helpful sites:
  - [www.epa.gov/watersense](http://www.epa.gov/watersense)
  - [www.groundwater.org](http://www.groundwater.org)
  - [www.getwise.org](http://www.getwise.org)

# Test Results

Cassatt Water Company 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, 2009.

## Cassatt Water Company

Contaminant	Violation Y/N	Level Detected	Unit Measurement	MCLG	MCL	Likely Source of Contamination
Nitrate (as Nitrogen) 2009	N	3 Range 0-2.6	ppm	10	10	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits
Nitrite (as Nitrogen) 2009	N	0.02 Range 0.02-0.02	Ppm	1	1	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits
Gross Alpha excluding radon & uranium -2009	N	7.8 Range 0-7.3	pCi/l	0	15	Erosion of natural deposits
Combined Radium (2009)	N	7.3	pCi/l	0	5	Erosion of natural deposits
Barium (2007)	N	0.067 Range 0.067-0.067	Ppm	2	2	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits
Total Trihalomethanes TTHM (2009)	N	1 Range 0-1.88	ppb	0	80	By-product of drinking water chlorination
Fluoride (2007)	N	0.18	ppm	4	4	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories
Chlorine 2009	N	0.60 Range 0.46-0.75	Ppm	4	4	Water additive used to control microbes
Contaminant	Violation Y/N	Level Detected	Unit Measurement	MCLG	MCL	Likely Source of Contamination
Copper 2009	N	90th Percentile 0.161	ppm	1.3	AL= 1.3	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives

## City of Camden

Contaminant	Violation Y/N	Level Detected	Unit Measurement	MCLG	MCL	Likely Source of Contamination
Copper 2008	N	90th Percentile 0.089	ppm	1.3	AL= 1.3	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
Lead 2008	N	90th Percentile 0	Ppm	0	15	Corrosion of household plumbing systems; erosion of natural deposits

## Alligator Rural Water

Contaminant	Violation Y/N	Level Detected	Unit Measurement	MCLG	MCL	Likely Source of Contamination
Copper 2009	N	90th Percentile 0.031	ppm	1.3	AL= 1.3	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
Lead 2009	N	90th Percentile 2	Ppm	0	15	Corrosion of household plumbing systems; erosion of natural deposits
Nitrate (as Nitrogen) 2009	N	3 Range 0.029-3	ppm	10	10	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits
Gross Alpha excluding radon & uranium-2009	Y	4 Range 0-4	pCi/l	0	15	Erosion of natural deposits
Combined Radium (2009)	N	9.0 0-12.4	pCi/l	0	5	Erosion of natural deposits

# What Does it Mean?

**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 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 (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 MCLGs 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 or expected risk to health. MCLGs allow for a margin of safety.

**Picocuries per liter (pCi/L)** - picocuries per liter is a measure of the radioactivity in water.