

The Town of Clover is pleased to present to you the **2008 Annual Drinking Water Quality Report**. This report is designed to inform you about the quality of your water, the continued steps to improve the water treatment process and to protect water resources.

The Town of Clover's drinking water is safe and meets federal and state requirements. The Town of Clover routinely monitors for contaminants in the drinking water according to Federal and State laws. The Environmental Protection Agency (EPA) requires public water systems to develop a Source Water Assessment Plan (SWAP). To view **Source Water Assessment Plan** go to [www.scdhec.gov/water/html/srcewtr.html](http://www.scdhec.gov/water/html/srcewtr.html). This plan is to identify potential sources of contamination to drinking water supplies.

In our continuing effort to maintain a safe and dependable water supply, it may be necessary to make improvements in your water system. The costs of these improvements may be reflected in the rate structure. Rate adjustments may be necessary in order to address these improvements.

### Planned Improvements

Over the next year, the Town of Clover plans to replace up to 25 sections of water lines. These improvements were identified in the 1998 amendment to the Water & Sewer Master Plan. One source of funding for this project is from a \$152,000 Competitive Grant received from the State of South Carolina. The primary source of funding, however, is the balance of the proceeds from a revenue bond issued in 2007. The bond issued was to accomplish three objectives: relocation of utility lines for the Bethel Street Road widening project, replacement of three sewer lift stations, and the replacement of the waterlines prioritized in the Water & Sewer Master Plan.

### What's In Our 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 test results below list all the drinking water contaminants that were detected during the 2008 calendar year. The presence of these contaminants in the water does not necessarily indicate that the water poses a health risk. Unless otherwise noted, the data presented in this table is from testing done January 1–December 31, 2008. The state requires monitoring for certain contaminants less than once per year because the concentrations of these contaminants are not expected to vary significantly from year to year. Some of the data, though representative of the water quality, is more than one year old.

Inorganic Contaminants	Action Level	90th Percentile	# Sites over Action Level	Violation Yes or No	Typical Source of Constituent	Year Sampled
Copper (ppm)	0.015 mg/L	0.017 mg/L	0	No	Corrosion of household plumbing systems	2006
Lead	1.3 mg/L	0.000mg/L	0	No	Corrosion of household plumbing systems	2006

Information on Lead and Copper in your drinking water.

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. The Town of Clover 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 drinking water, you may wish to have your water tested. Information is available from the Safe Drinking Water Hotline or at <http://www.epa.gov/safewater/lead>.

### VIOLATIONS

The Town of Clover did not violate any maximum contaminant level or any other water quality standard for the year 2008.

The Town of Clover works around the clock to provide top quality water to every tap.

Mark Geouge, Public Works Director

## Important Health Information

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 less the risk of infection by Cryptosporidium and other microbial contaminants are available from the Safe Water Drinking Hotline (800-426-4791).

### A Note about Ammonia

For the last few years, the Town has frequently exceeded the waste water discharge limits imposed by the City of Gastonia for Total Kjeldahl Nitrogen, or TKN. TKN is a combination of ammonia nitrogen and organic nitrogen.

This discharge **in no way** affects the Town's drinking water nor is a hazard to the environment. All waste water is treated at the Crowders Creek Waste Facility prior to being discharged. In response to the elevated levels of TKN, the Town and City of Gastonia performed an extensive sampling and analysis program. The results indicate that the high levels of TKN are not caused by industrial discharge or illegal discharges. The Town will continue to monitor and take action as necessary to mitigate this problem.

## For More Information

EPA Safe Drinking Water Hotline: 800-426-4791  
City of Gastonia: 704-854-6686

### Definitions: 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. **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 Disinfection 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 Disinfection Level

**(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.

**Treatment Technique (TT):** A required process intended to reduce the level of a contaminant in drinking water.

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

**Not Applicable (N/A):** Information not applicable/not required for that particular water system or for that particular rule.

**Parts per million (ppm) or Milligrams per liter (mg/L):** one part per million corresponds to one minute in 2 years, or one 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 one penny in \$10,000,000.

**Nephelometric Turbidity Unit (NTU):** A measurement of the clarity of water. Turbidity in >5 NTU is just noticeable to the average person.

Clover's water is purchased from the City of Gastonia, North Carolina. Their water source is Mountain Island Lake located off Highway 273 in northeastern Mount Holly, North Carolina.

The City of Gastonia Annual Quality Water Report stated that they did not have any violations for the year 2008. If you want a copy of their report or have any questions concerning their water quality, contact Lisa Richardson at (704) 854-6686. You can also visit their website at [www.cityofgastonia.com](http://www.cityofgastonia.com) or [www.epa.gov/safewater/](http://www.epa.gov/safewater/).



System #4610006

# TOWN OF CLOVER 2008 ANNUAL DRINKING WATER QUALITY REPORT

The Town of Clover

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Clover, SC 29710

[www.cloversc.info](http://www.cloversc.info)

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Public Works Department