



## **2014 ANNUAL WATER QUALITY REPORT**

**Town of Lake Lure Water Works, NC 01-81-020**  
**Chimney Rock Village Water Works, NC 01-81-107**  
**Firefly Cove Water Works, NC 10-81-024**

Time once again to present to you the annual water quality report for 2014. This report is a snapshot of the year 2014 and the steps taken to insure water quality. Included within this report is information about where your water comes from, what is added, and how well it compares to standards set by State regulatory agencies. Our constant goal with each of the above systems is to provide you with a safe and dependable supply of drinking water, and to supply you with important information about your drinking water.

### **WHAT THE EPA WANTS YOU TO KNOW**

Drinking water, as well as 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" at (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, persons 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" at (800) 426-4791.

The sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs and wells. Our water systems all rely on well water. 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 animal or human activity. Contaminants that may be present in source water include **Microbial Contaminants**, such as viruses and bacteria, which 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 agricultural, urban storm water runoff, and residential uses; **Organic Chemical Contaminants**; including synthetic and volatile organic chemicals, which are products of industrial processes and petroleum production and mining activities.

In order to insure that tap water is safe to drink, the EPA prescribes regulations which limit the amount of certain contaminants in water provided by public water systems. FDA (Food and Drug Administration) regulations establish limits for contaminants in bottled water which must provide the same protection for public health.

### **When You Turn On The Tap Consider The Source**

The Town of Lake Lure, Chimney Rock Village, and Firefly Cove all use Wells for their source water. All three systems are interconnected in the event that one might need assistance in maintaining adequate amounts of water for drinking or firefighting purposes. We have 12 wells between the 3 water systems which give us our generous supply of water, allowing for growth in all 3 communities. The water is pumped from these wells, then injected with a mild solution of sodium hypochlorite (chlorine), then sent to storage tanks, from there it is delivered to your tap by gravity with one lone exception in Chimney Rock Village where we have a booster station to accommodate the upper region of Terrace Drive.

### **Violations That the Water System Received In 2014**

The Town of Lake Lure, Chimney Rock Village, and Firefly Cove were in compliance for the year 2014 with no violations issued.

### **Is It Safe To Drink?**

YES! All three systems would like you to know that your water is safe to drink. The EPA makes certain the water to your tap is safe by prescribing regulations which limit the amount of contaminants in water provided by public water systems. The EPA sets Maximum Contaminant Level Goals (MCLG) and Maximum Contaminant Levels (MCL) for drinking water. The MCLG is the level of contaminants in drinking water below which there is no known or expected risk to health. MCLG's allow for a margin of safety. The MCL's are set as close to the MCLG's as is feasible using the best available treatment technology.

### **Substances Checked For In 2014**

Chlorine Residuals-checked daily  
Bacteriological-checked monthly by Lab  
Total Trihalomethanes-checked yearly by Lab  
Haleoacetic Acids-checked yearly by Lab  
Pesticides and Synthetic Organic Chemicals-checked annually by Lab  
Volatile Organic Chemicals-checked annually by Lab  
Lead and Copper-checked annually by Lab  
Nitrite and Nitrate checked annually by Lab

All test results were good with no MCL exceeding accepted levels.

*If anyone needs the specific figures from previously mentioned tests they are available for your inspection by appointment. If you have any questions you may contact me, Tony Hennessee at (828) 625-4696 or (828) 625-9983 ext. 201 and I will be glad to help you. Our Lab that we contract with, is Environmental Testing Solutions in Asheville, they are most helpful and are available for questions as well. We here try to maintain good records and high water quality for our customers, and we would like for you to know that there is a water professional behind every drop.*