

CONSUMER CONFIDENCE REPORT 2012

We are pleased to provide you with this year's Annual Quality Water Report. We want to keep you informed about the excellent water and services we have delivered to you over the past year. Our goal is and always has been, to provide to you a safe and dependable supply of drinking water. Our water source is surface water, drawn from the *South Umpqua River*. Surface water refers to water which comes from an above ground source, such as a lake, stream or reservoir.

We are pleased to report that our drinking water is safe and meets federal and state requirements. If you have any questions about this report or concerning your water please contact **Mary Gouin at (541) 863-7221**. We want our valued members to be informed about their Water Association. If you want to learn more, please attend any of our regularly scheduled meetings. They are held on **the 2nd Wednesday of each month. Contact Mary for the time and location.**

The Clarks Branch Water Association 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, 2012. As water travels over the land or underground, it can pick up substances or contaminants such as microbes, inorganic and organic chemicals, and radioactive substances. All drinking water, including bottled drinking water, may be reasonably expected to contain at least small amounts of some constituents. It is important to remember that the presence of these constituents does not necessarily pose a health risk.

In this table you will find many terms and abbreviations you might not be familiar with. To help you better understand these terms we are providing the following definitions:

Non-Detects (ND) - Laboratory analysis indicates that the constituent is not present.

Parts per million (ppm) or Milligrams per liter (mg/l)

Parts per billion (ppb) or Micrograms per liter

Nephelometric Turbidity Unit (NTU) – Turbidity is a measure of the cloudiness of the water. We monitor it because it is a good indicator of the effectiveness of our filtration system.

Action Level - Concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.

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

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.

TEST RESULTS

Contaminant	Violation Y/N	Level Detected	Unit Measurement	MCLG	MCL	Likely Source of Contamination
Microbiological Contaminants						
Turbidity (continuously monitored)	Yes	Min .018 Max 0.69 Ave .137	NTU	n/a	TT	Soil runoff
96% of the samples were below the TT value of 0.3. A value less than 95% constitutes a TT violation. Any measurement in excess of 1 is a violation unless otherwise approved by the state.						
Lead and Copper Results						
The most recent required testing was done on 8/21/2012 (next required test 8/2015)						
Copper	No	90 th Percentile .033	ppm	Homes Exceeding AL 0	AL=1.3	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
Lead	No	.003	ppb	0	AL=16	
Disinfection By-Products						
TTHM (total trihalomethanes)	No	28	ppb	0	80	Drinking water chlorination by-products
HAA5 (total haloacetic acids)	No	14	ppb	0	60	Drinking water chlorination by-products

Contaminants						
Cryptosporidium	No	.017	Oocyst/L	0		No Crypto cyst were found. The highest 12 month level was below regulatory limits. Therefore, no additional treatment for crypto is needed.
Nitrate (measured as Nitrogen)	No	ND	ppm	0	10	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits
Arsenic	No	ND	MG/L	0		Naturally present in the environment
Coliform	No	Absent		0		Naturally present in the environment
E.Coli/Fecal Coliform Bacteria	No	Absent		0		Human and animal fecal waste

Violations: Violations were received for reporting Surface Water Report late for February, March, July and September 2012. The testing and reports were completed at the correct time for these violations and do not pose a threat to the quality of our water supply.

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.

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.

In our continuing efforts 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.

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 at 1-800-426-4791.

Cryptosporidium is a microbial pathogen found in surface water throughout the U.S. Although filtration removes cryptosporidium, the most commonly-used filtration methods cannot guarantee 100 percent removal. Our monitoring indicates the presence of these organisms in our source water and/or finished water. Current test methods do not all us to determine if the organisms are dead or if they are capable of causing disease. Ingestion of cryptosporidium may cause cryptosporidiosis, an abdominal infection. Symptoms of infection include nausea, diarrhea and abdominal cramps. Most healthy individuals can overcome the disease within a few weeks. However, immune-compromised people are at greater risk of developing life-threatening illness. We encourage immune-compromised individuals to consult their doctor regarding appropriate precautions to take to avoid infection. Cryptosporidium must be ingested to cause disease, and it may be spread through means other than 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. Clarks Branch Water Association 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 www.epa.gov/safewater/lead.

Please call (541) 863-7221, our plant office, if you any have questions.

We at Clarks Branch Water Association diligently work together to provide top quality water to every tap. We ask that all our customers help us protect our water sources, which are the heart of our community, our way of life and our children's future.