

2011 CONSUMER CONFIDENCE REPORT
Water Quality Data

Contaminant	MCLG in CCR units	MCL in CCR Units	Level found in CCR Units	Range of detections	Violation	Date of sample	Typical source of Contaminant
Microbiological Contaminants							
Total Coli form Bacteria	0	0	0		no	2010	Naturally present in the environment
Turbidity ***	n/a	TT	99.99% were less than 0.3 ntu	.03 ntu to .49 ntu	no	2010	Soil runoff
Inorganic Contaminants							
Copper (90th %)*	1.3	AL=1.3 ppm		0.71 ppm	no	2009	Corrosion of household plumbing systems; Erosion of natural deposits; Leaching from wood preservatives
Fluoride	4	4 ppm	1.07 ppm	0.78 ppm to 1.48 ppm	no	2009	Erosion of natural deposits
Lead (90th %)*	0	AL=15 ppb	10 ppb		no	2009	Corrosion of household plumbing systems; Erosion of natural deposits
Nitrate (as Nitrogen)	10	10 ppm	.38 ppm		no	2010	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits
Sodium	N/A	N/A	12.5 ppm		no	2010	Naturally present in the environment
Organic Contaminants							
Trihalomethanes (THMs)	0	80ppb	22.8 ppb avg	5.4 ppb to 42.6 ppb	no	2010	By- product of drinking water chlorination
Haloacetic Acid	0	60ppb	20.0 ppb avg	4.0 ppb to 37.0 ppb	no	2010	By-product of drinking water disinfection
Total Organic Carbon **	N/A	TT	1.29 avg	.70 ppm to 2.74 ppm	no	2010	Naturally present in the environment
chlorine	Mrdlg 4	Mrdl 4ppm	2.06 ppm avg	0.8 ppm to 2.4 ppm	no	2010	Disinfectant used in water treatment to inactivate microbial contaminants.

* No samples exceeded the action level for Lead and Copper

** TASS met the treatment technique requirement for Total Organic Carbon

*** TASS met the treatment technique requirement for Turbidity

Is My Water Safe?

Yes, our water meets all the health standards of the State of Tennessee Environmental Protection Agency. As you will see in the chart, out of the many numerous tests that were conducted, only a few contaminants were detected and they were found to be at safe levels.

What is the Source of My Water

Your water, which is surface water, comes from the Tellico Lake. Our goal is to protect our water from contaminants and we are working with the State to determine the vulnerability of our water source to potential contamination. The Tennessee Department of Environment and Conservation (TDEC) have prepared a Source Water Assessment Program (SWAP) Report for the untreated water sources serving this water system. The SWAP Report assesses the susceptibility of untreated water sources to potential contamination. To ensure safe drinking water, all public water systems treat and routinely test their water. Water sources have been rated as reasonably susceptible (high), moderately susceptible (moderate) or slightly susceptible (low) based on geologic factors and human activities in the vicinity of the water source. The TASS water System source is rated as (reasonably) susceptible to potential contamination.

An explanation of Tennessee's Source Water Assessment Program, the Source Water Assessment summaries, susceptibility scoring and the overall TDEC report to EPA can be viewed on line at www.tn.gov/environment/dws/dwassess.shtml or you may contact the Water System to obtain copies of specific assessments.

WHY ARE THERE CONTAMINATES IN MY 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. 1(800) 426-4791

WHAT DOES THIS CHART MEAN?

MCLG: Maximum contaminate level goal, or the level of a contaminate in drinking water below which there is no known or expected risk to health. MCLG's allow for a margin of safety.

MCL: Maximum contaminate level, or the highest level of contaminate that is allowed in drinking water. MCL's are set as close to the MCLG's as feasible using the best available treatment technology.

TURBIDITY: We monitor turbidity, which is a measure of the cloudiness of water, because it is a good indicator that our filtration system is functioning properly. Turbidity does not present any risk to your health.

ABOUT THE DATA: Most of the data presented in this table is from testing done between the 1st of Jan. – Dec 2010. We monitor for some contaminants less than once per year and for those contaminants, the date of the last sample is shown in the table.

MRDL: Maximum residual disinfectant level. The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for the control of microbial contaminants.

MRDLG: Maximum residual disinfectant level goal. The level of a drinking water disinfectant, below which there is no known or expected risk to health. MRDLG's do not reflect the benefits of the use of disinfectants to control microbial contaminants.

ABBREVIATIONS

ppb: Parts per billion or micrograms per liter
ppm: Parts per million or milligrams per liter
N/A: Not applicable

NTU: Nephelometric turbidity unit, used to measure cloudiness in water
pCi/L: Pico curies per liter is a measure of the radioactivity in water
AL: Action level, or the concentration of a contaminate which, when exceeded, triggers treatment or other requirements, which a water system must follow.
TT: Treatment technique or a required process intended to reduce the level of contaminate in drinking water.
<: Less than
BDL: Below detection limit

DO I NEED TO TAKE SPECIAL PRECAUTIONS?

Some people may be more vulnerable to contaminants in drinking water than the general population. Immunocompromised 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 for infections. These people should seek advice about their personal sanitation, food preparation, handling infants or pets and drinking water from their health care providers. Environmental Protection Agency and the Center of Disease Control provides guidelines on appropriate means to lessen the risk of infection by cryptosporidium and other microbiological contaminants. These are available from the Safe Drinking Water Hotline, at 1(800) 426-4791.

LEAD IN 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. Tellico Area Services System 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 on lead in drinking water, testing methods, and steps you can take to minimize exposure s available from the Safe Drinking Water Hotline or at <http://www.epa.gov/safewater/lead>.”

If you have any questions about this report or concerning your water utility, please contact Dion Shults (General Manager) 1(423) 884-6400.

We want our valued customers to be informed about their water utility. If you want to learn more, please contact our office in advance to attend any of our regularly scheduled meetings. They are held in the TASS water office at 12:00 noon the third Tuesday of each month.

Other Information

The TASS Board is made up of three Commissioners from Monroe County and three Commissioners from Loudon County. The Commissioners are appointed by the Counties to serve three-year terms. Decisions by the Board of Commissioners on customer complaints brought before the board of Commissioners under the TASS customer complaint policy may be reviewed by the Utility Management Review Board of the Tennessee Department of Environment and Conservations pursuant to section 7-82-702(7) of Tennessee Code Annotated.

Visit our Website at www.tassonline.org