

City of Moultrie 2015 Water Quality Report

Your water meets all state and federal regulations

Last year we conducted more than 2,800 tests for over 78 drinking water contaminants. We only detected Eight (8) contaminants. This brochure is an overview of the quality of the water we provided last year. Included are details about where your water comes from, what it contains, and how it compares to Environmental Protection Agency (EPA) standards. We are committed to providing you with the information because we want you to be informed. For more information about your water call: 229-668-6000 and ask for the Water Treatment Operations or the Project Manager Jared Noble. *"Este informe contiene información muy importante. Traduscalo o hable con un amigo quien lo entienda bien".*

Special population advisory

Some people may be more vulnerable to contaminants in drinking water than the general population. Immune 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/Center For Disease Control guidelines on how to lessen the risk of infection by *Cryptosporidium* and other microbial contaminants are available from the Safe Drinking Water Hotline 1-800-426-4791.

Drinking water sources

Your water comes from wells which draw from the Floridian Aquifer. These wells are protected from potential sources of contamination. Presence of certain constituents does not necessarily indicate that water poses a health risk. Source Water Protection Plan may be viewed/obtained at the Utility Office, 2701 1st Ave, S.E.

Public participation opportunities

The City Council meets in regular session on the first and third Tuesday of each month. Meetings are held in Council Chambers at City Hall, 21 1st Avenue NE, and begin at 6:00 p.m. Your participation or comments are welcome at these meetings as well.

Contaminants in 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 may be obtained by calling the EPA's Safe Drinking Water Hotline 1-800-426-4791.

The sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs, and wells. As water travels over the surface of the land or through the ground, it dissolves naturally occurring minerals, and can pick up substances resulting from the presence of animals or from human activity.

Contaminants that may be present in source water before we treat it 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 & herbicides*, which may come from a variety of sources such as agriculture and residential use.
- *Radioactive contaminants*, which are naturally occurring.
- *Organic chemical contaminants*, including synthetic and volatile organic chemicals, which are byproducts of industrial processes and petroleum production, and also can come from gas stations, urban storm water runoff, and septic systems.

Water quality monitoring

To ensure that tap water is safe to drink, EPA prescribes regulations that limit the amount of certain contaminants in water provided by public water systems. We treat our water according to EPA's regulations. Your water met all the regulations set by EPA. Food and Drug Administration regulations establish limits for contaminants in bottled water, which must provide the same protection for public health.

Water quality data

The table in this report lists all the drinking water contaminants we detected during the 2015 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 are from testing done January 1, 2015 through December 31, 2015. The state requires us to monitor 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.

Terms & Abbreviations

• AL: Action Level- the concentration of a contaminant which, when exceeded, triggers treatment or other requirements that a water system must follow.

• MRDLG: 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.

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

• MCL: Maximum Contaminant Level- 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.

• MFL: million fibers per liter

• mrem year: millirems per year (a measure of radiation absorbed by the body)

• NA: not applicable • ND: not detectable at testing limit • NTU: Nephelometric Turbidity Units

• pCi/l: picocuries per liter (a measure of radioactivity)

• ppm: parts per million or milligrams per liter - (corresponds to one minute in two years)

• ppb: parts per billion or micrograms per liter -(corresponds to one minute in 2,000years)

Detected Contaminants

Substance	MCL	MCLG	Our Water	Detection Range	Sample Date	Violation Y or N	Typical Source of Contamination
Fluoride (ppm)	4	4	0.64	0.6 – 0.7	2015	NO	Erosion of natural deposits; water additive which promotes strong teeth; Discharge from fertilizer and aluminum factories
Chlorine (MCL/MRDL)	4(MRDL)	4	2.06	0.5 – 3.80	2015	NO	Adding disinfectant to drinking water
TTHM's(Total Trihalomethanes (ppb)	80ppb	N/A	7.9	0-3.60	2015	NO	By-product of drinking water chlorination
Arsenic (ppb)	50	N/A	2.2	0.0-2.2	2015	NO	Erosion of natural deposits; Runoff from orchards; Runoff from glass and electronics production wastes
Barium (ppm)	2	2	.0414	0.025-0.085	2015	NO	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits
Alpha emitters (pCi/l)	15	0	6.1	0.0-7.0	2015	NO	Erosion of natural deposits
Combined radium (pCi/l)	5	0	2	0.0-2.1	2015	NO	Erosion of natural deposits

Substance	MCL	MCLG	Our Water 90 th Percentile	No. Of Sites above Action Level	Sample Date	Violation Y or N	Typical Source of Contamination
Copper (ppm)	AL-1.3	1.3	0.12	0	July 2012	NO	Corrosion of household plumbing; Erosion of natural deposits.
Lead (ppb)	AL-15	15	2.5	0	July 2012	NO	Corrosion of household plumbing; Erosion of natural deposits.

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 City of Moultrie 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 EPA's Safe Drinking Water Hotline or at <http://www.epa.gov/safewater/lead>.

Our Water Treatment Plant Operators are on duty/On-call 24 hours to ensure your water is safe and provided in adequate supply. All Operators are licensed by the State of Georgia and receive continuing education to maintain a high level of proficiency and expertise. Tests for Chlorine Residual are preformed seven (7) times daily to ensure consistent quality. You can view this report online at www.moultriega.com or if you have any questions about your water quality you can visit these other informative sources.

www.epa.gov

www.gaepd.org

www.awwa.org

www.gawp.org



This report was prepared by ESG Operations INC. as a service to the City of Moultrie, Ga