



2018 Water Quality Report

Water System ID: 2610000

Dear City of Americus Water Customers

We are pleased to present to you by this letter our 2018 Water Quality Report. We are required by law to send this assurance report annually, so our customers are informed about the quality of the water you are consuming.

Your Water is Safe to Drink

We are pleased to report that we conducted more than 10,000 tests for over 90 drinking water contaminants and detected only 9 contaminants. These contaminants did not affect the water quality. Your drinking water meets or exceeds all federal and state requirements. This brochure is a snapshot 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 229-924-4418 and ask for Michael Pepito or Jim Vinson.

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 800-426-4791.

Drinking Water Sources

Your water comes from ground water wells located throughout the City of Americus. Wellhead protection program information for the Americus wells can be obtained from Jacobs, 104 Mill Creek Rd, Americus, GA. 31709. An assessment was done to determine Potential Pollution Sources (PPS) within the City's system. Sources include: electrical transformers, utility poles, vehicle parking areas, sewer lines, roads, railroad tracks, abandoned wells, diesel generators, dumpsters, abandoned vehicles, industrial facilities, and water treatment facilities.

Public Participation Opportunities

Your City Council meets monthly at the Public Safety Building. Contact Paula Martin, City Clerk at 229-924-4411, to obtain the dates for these meetings. Please feel free to participate in these meetings and find out about your drinking water.

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 can be obtained by calling the EPA's Safe Drinking Water Hotline 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 by-products 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. 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 2018 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 through December 31, 2018. 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.



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Lead-Specific Information

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 Americus 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 is available from the Safe Drinking Water Hotline at 800-426-4791 or at <http://www.epa.gov/safewater/lead>.



Table of Detected Contaminants

Substance	MCL [MRDL]	MCLG [MRDLG]	Our Water	Range of Detection	Sample Date	Violation (Y or N)	Typical Source of Contamination
Inorganic Contaminants							
Copper action level at consumer taps (ppm) 30 Sample Sites	1.3 (AL)	1.3	0.11 (90th Percentile)	No sites above AL	September 2016	N	Corrosion of household plumbing systems; Erosion of natural deposits; Leaching from wood preservatives
Fluoride (ppm)	4	4	0.6	0.1-1.4	January thru December 2018	N	Erosion of natural deposits; water additive which promotes strong teeth; Discharge from fertilizer and aluminum factories
Lead action level at consumer taps (ppb) 30 Sample Sites	15 (AL)	0	1.3 (90th Percentile)	No sites above AL	September 2016	N	Corrosion of household plumbing systems; Erosion of natural deposits
Disinfectants and Disinfection Byproducts Contaminants							
Haloacetic Acids 5 (HAA5) (ppb)	60	N/A	1.2	ND-1.2	February & August 2018	N	By-product of drinking water chlorination
Total Trihalomethanes (TTHMs) (ppb)	80	N/A	4.3	ND-4.3	February & August 2018	N	By-product of drinking water chlorination
Chlorine (ppm)	4 (MRDL)	4 (MRDLG)	0.7 (RAA)	0.4 – 1.6	January thru December 2018	N	Water additive used to control microbes
Unregulated Contaminants Monitoring Regulation (UCMR4)							
Substance	MRL	Our Water (Average)	Range of Detection	Sample Date	Typical Source of Contamination		
Haloacetic Acids 9 (HAA9) (ppb)	N/A	0.6	ND-2.4	January & July 2018	By-product of drinking water chlorination		
Manganese (ppb)	0.4	4.7	ND-9.3	January & July 2018	Naturally occurring from soil leaching		
<i>Unregulated contaminants are those for which EPA has not established drinking water standards. The purpose of unregulated contaminant monitoring is to assist EPA in determining the occurrence of unregulated contaminants in drinking water and whether future regulation is warranted.</i>							

Terms & Abbreviations

- AL - Action Level, or the concentration of a contaminant which, when exceeded, triggers treatment or other requirements which a water system must follow.
- MCL - Maximum Contaminant Level, or the highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MLCG's as feasible using the best available treatment technology.
- MCLG - Maximum Contaminant Level Goal, or the level of a contaminant in drinking water below which there is no known or expected risk to health. MLCG's allow for a margin of safety.
- MRDL - Maximum Residual Disinfectant Level, or 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, or 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.
- N/A: Not applicable
- ND – Not detectable at testing limit.
- Parts per billion (ppb) or Micrograms per liter - explained as a relation to time and money as one part per billion corresponds to one minute in 2,000 years, or a single penny in \$10,000,000.
- Parts per million (ppm) or Milligrams per liter (mg/l) – explained as a relation to time and money as one part per million corresponds to one minute in two years or a single penny in \$10,000.
- RAA- Running Annual Average

JACOBS prepared this water quality report as a service to the City of Americus, GA.

