

# New Information for 2019 WATER QUALITY REPORT

## City of Garden City - Town Center Water System

### System I.D. Number GA-0510280

Report Period: January 2019 – December 2019

### *Important Information About the Safety of Your Drinking Water*

The City of Garden City is pleased to report to you that your drinking water that is purchased from the City of Savannah, Savannah Quarters Water System is safe. Water department staff pride themselves in their ability to provide you, our customer, with clean safe water. The table included in this report shows that water supplied by the water system gets an excellent report card when compared to health standards.

All sources of drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some substances. All water sources, including rivers, lakes, reservoirs and wells, are fed by water that passes over the surface of the land or through the underground aquifer. Ground water can dissolve naturally occurring minerals and materials which find their way into wells. Surface water can pick up substances resulting from land disturbance activities as well as impervious areas within urbanized areas. Substances that may be present in source water can include, but are not limited to biological and inorganic constituents which can come from a variety of point sources and non-point sources via treated wastewater and urban stormwater runoff, respectively.

In order to ensure that tap water is safe to drink, the Environmental Protection Agency (EPA) prescribes regulations that limit the amounts of certain substances in water provided by public drinking water systems. As new standards are established for drinking water, the City of Garden City will upgrade our treatment process as necessary in order to be able to meet the new requirements. Please adhere to the state mandated water conservation restrictions as our water is a precious resource.

#### **Source of Water**

The Savannah Quarters System gets its water from the Floridan aquifer. This pristine source provides us with a safe and dependable supply of water. The City's Water Supply and Treatment Department has been pro-active in protecting the Floridan aquifer. A Wellhead Protection Plan has been developed and approved by EPD.

#### **Treatment Process**

The water pumped from the Floridan aquifer is very high quality source water. The primary treatment process utilized is chlorination. Chlorine is added to the water for disinfection purposes prior to entering the distribution system.

***For additional information about the quality of your drinking water call the City of Garden City at (912)966-7777***

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).

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 /Center for Disease Control guidelines on appropriate means to lessen the risk of infection by *Cryptosporidium* and other microbial contaminants are available from the Safe Drinking Water Hotline (1-800-426-4791).

## Garden City Water Department

The City of Garden City has performed multiple tests and procedures in 2019 to assess water quality. Tests have been run on several water quality parameters. The City has met all sampling and reporting requirements in 2019. The following table lists the substances that require monitoring. Other Parameters are contracted with EPD laboratories to ensure water quality meets standards.

## Drinking Water Analysis – Town Center Water System

### Regulated Substances

Detected Parameters							
Substance Tested and Detected	Unit	Goal MCLG	Maximum Allowed MCL	Amount Detected	Range of Detection	Is It Safe? (Does It Meet Standards?)	Probable Source
Copper <sup>1,2</sup>	ppb	1.3	1.3 ppb	0.16 ppb (90 <sup>th</sup> Percentile)	No sample > AL	Yes	Corrosion of household plumbing
Lead <sup>1,2</sup>	ppb	0	AL=15	1.2 ppb (90 <sup>th</sup> Percentile)	No sample > AL	Yes	Corrosion of household plumbing
Total Coliform Bacteria		0	Presence of coliform bacteria in >1 of monthly samples	0 sample positive	NA	Yes	Naturally present in the environment

<sup>1</sup> Copper and lead are the only two substances monitored at the customer's tap.

<sup>2</sup>Last sampled in 2017.

<sup>3</sup>Last sampled in 2016.

### Additional Testing, Research and Partnerships

The City of Garden City Water Operations performs thousands of water quality tests required by the U.S. Environmental Protection Agency (EPA) and the State of Georgia's Environmental Protection Division (EPD). This approach ensures that our customers receive the highest quality drinking water.

Water Supply and Treatment also benefits from millions of dollars of research and professional operations development through its memberships in national and state professional organizations such as the American Water Works Association, Georgia Association of Water Professionals, Georgia Rural Water Association and Groundwater Guardian.

**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 Savannah is responsible for providing high quality drinking water, but cannot control the variety of materials used in plumbing components. When you 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 (1-800-426-4791) or at <http://www.epa.gov/safewater/lead>.**

Symbol, Acronym, or Note	Definition
AL	<i>Action Level:</i> The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.
MCL	<i>Maximum Contaminant Level:</i> 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.
MCLG	<i>Maximum Contaminant Level Goal:</i> 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.
MRDL	<i>Maximum Disinfectant Residual Level:</i> The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.
MRDLG	<i>Maximum Disinfectant Residual Level Goal:</i> The level of a drinking water disinfectant below which there is no known or expected risk to health.
NA	Not applicable.
ND	Not Detected
ppm	<i>Parts Per Million:</i> 1 part per 1,000,000 (same as milligrams per liter) and corresponds to 1 minute in 2 years or 1 penny in \$10 thousand.
ppb	<i>Parts Per Billion:</i> 1 part per 1,000,000,000 (same as micrograms per liter) and corresponds to 1 minute in 2,000 years or 1 penny in \$10 million.
90 <sup>th</sup> Percentile	Level used to determine compliance
>	Greater than.
<	Less than