

# 2021 Annual Drinking Water Quality Report

## City of Flovilla Water System WSID #0350000

We're pleased to present to you this year's Annual Quality Water Report. This report is designed to inform you about the quality water and services we deliver to you every day. Our constant goal is to provide you with a safe and dependable supply of drinking water. We want you to understand the efforts we make to continually improve the water treatment process and protect our water resources. We are committed to ensuring the quality of your water. Our water sources are five drilled wells, which are drawn from the Piedmont / Crystalline Rock Aquifers. Also a tap from Butts County Water Authority.

### Drinking Water Source Information

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 land or through the ground, it dissolves naturally occurring minerals and, in some cases, radioactive material, and can pick up substances resulting from the presence of animals or from human activity. Substances that may be present in source water include:

- ◆ Microbial contaminants, such as viruses and bacteria which may come from sewage treatment plants, septic systems, agricultural livestock operations and wildlife.
- ◆ Inorganic substances, such as salts and metals, which can be naturally occurring or result from urban storm runoff, industrial or domestic wastewater discharges, oil and gas production, mining or farming.
- ◆ Pesticides and herbicides, which may come from a variety of sources such as agriculture, urban storm runoff, and residential uses.
- ◆ Organic chemical substances, including synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum production, and can also come from gas stations, urban storm runoff, and septic systems.
- ◆ Radioactive substances, which can be naturally occurring or be the result of oil and gas production and mining activities.

Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of contaminants. The presence of contaminants does not necessarily indicate that water poses a health risk. In order to ensure that tap water is safe to drink, EPA prescribes regulations which limit the amount of certain contaminants in water provided by public water systems. Food and Drug Administration (FDA) regulations establish limits for contaminants in bottled water which must provide the same protection for public health. 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)**

This report shows our water quality and what it means. We are pleased to report our drinking water is safe and meets federal and state requirements.

If you have any questions about this report or concerning your water service, please contact **Yolonda at City Hall at 770-775-5661 Monday thru Friday between the hours of 8:30 a.m. and 4:00 p.m., or you may attend our Council Meetings held on the third Monday of each month, at 6:00 p.m. at City Hall located at 308 Heard Street.**

The City of Flovilla routinely monitors for constituents in your drinking water according to Federal and States laws. This table shows the results of our monitoring for the period of January 1<sup>st</sup> to

December 31<sup>st</sup>, 2021. All drinking water, including bottled drinking water, may be reasonably expected to contain at least small amounts of some constituents. It's important to remember that the presence of these constituents does not necessarily pose a health risk.

In the following table you will find many terms and abbreviations you might not be familiar with. To help you better understand these terms we've provided 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)* – one part per million corresponds to one minute in two years or one penny in \$10,000.

*Parts per billion (ppb) or Micrograms per liter* – one part per billion corresponds to one minute in 2,000 years, or a single penny in \$10,000,000.

*Action Level* – the concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.

*Maximum Contaminant Level* – The “Maximum Allowed” (MCL) is 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* – The “Goal” (MCLG) is 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.

## Detected Contaminants Table

### Regulated Contaminants

#### Inorganic Contaminants

Substance	MCL	MCLG	City of Flovilla Maximum	Detected Range	Number of Violations	Sample Date	Typical Sources of Contaminant
Fluoride (ppm)	4	4	1.5	ND - 1.5	0	2020	Additive which promotes strong teeth / Naturally Occurring
Nitrate (ppm)	10	10	3	.65 - 3	0	2021	Runoff from fertilizer use; leaching from septic tanks, sewage, erosion of natural deposits
Barium (ppm)	2	2	0.074	ND-0.074	0	2020	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits

Substance	Action Level	MCLG	City of Flovilla 90 <sup>th</sup> Percentile	Number of Samples above Action Level	Number of Violations	Sample Date	Typical Sources of Contaminant
Lead (ppb)	15	0	12	0 out of 10	0	2019	Corrosion of household plumbing systems, erosion of natural deposits
Copper (ppm)	1.3	1.3	.39	1 out of 10	0	2019	Corrosion of household plumbing systems, erosion of natural deposits

#### Disinfection Substances

Substance	MRDL	MRDLG	City of Flovilla Maximum	Detected Range	Number of Violations	Sample Date	Typical Sources of Contaminant
Chlorine (ppm)	4	4	1.81	0.33 – 1.81	0	2021	Water additive used to control microbes



**Radioactive Contaminants**

<b>Substance</b>	<b>MCL</b>	<b>MCLG</b>	<b>City of Flovilla Maximum</b>	<b>Detected Range</b>	<b>Number of Violations</b>	<b>Sample Date</b>	<b>Typical Sources of Contaminant</b>
<b>Combined Radium 226 / 228</b>	<b>5</b>	<b>0</b>	<b>1.36</b>	<b>0 – 1.36</b>	<b>0</b>	<b>2017</b>	Erosion of natural deposits

**As you can see by the table, our system had no violations. We're proud that your drinking water meets or exceeds all Federal and State requirements. We have learned through our monitoring and testing that some constituents have been detected. The EPA has determined that your water IS SAFE at these levels.**

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.

**Lead:** Lead in drinking water is rarely the sole cause of lead poisoning, but it can add to a person's total lead exposure. All potential sources of lead in the household should be identified and removed, replaced or reduced

**Health Effects**

**Nitrate:** Infants below the age of 6 months who drink water containing nitrate in excess of the MCL could become seriously ill and, if untreated, may die. Symptoms include shortness of breath and blue-baby syndrome.

**Notice to Immuno-compromised people**

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 (1-800-426-4791)**.

Thank you for allowing us to continue providing your family with clean, quality water this year. In order to maintain a safe and dependable water supply we sometimes need to make improvements that will benefit all of our customers. These improvements are sometimes reflected as rate structure adjustments. Thank you for understanding.

**Did you know?**

- ◆ Operators are licensed by the State of Georgia and must meet continuous training and educational requirements (Our Operator holds a Class I which is the highest level you can obtain in the State of Georgia and he has over 35 years of experience. He has been with The City of Flovilla over 15 years)
- ◆ The City of Flovilla treated a total of 36,538,400 gallons of water out of the 5 wells, this is an average of 100,105 gallons used daily. June 2020 was the month with the highest usage and February 2020 was the month with the lowest usage.
- ◆ Approximately 74% of home water usage is in the bathroom, about 21% is for laundry and cleaning, and about 5% is in the kitchen.

We at the City of Flovilla works around the clock to provide top quality water to every tap, said Mayor Beth Ogletree. We ask that all our customers help us protect our water sources, which are the heart of our community, our way of life and children's future.