

2017 Water-Quality Report Water System ID CG0110001

The City of Maysville Water System is pleased to present a summary of the quality of water provided to you during the past year. The Safe Drinking Water Act (SDWA) requires that utilities issue an annual "Consumer Confidence" report to customers. This report details where our water comes from, what it contains, and the risks our water testing and treatment are designed to prevent. The City of Maysville Water System is committed to providing you with the safest and most reliable water supply. Informed consumers are our best allies in maintaining safe drinking water. We encourage public interest and participation in our community's decisions affecting our drinking water. Regularly scheduled council meetings are held on the 1st Monday of each month at 7:00 p.m. at Maysville City Hall. Comments are welcomed; please contact us at The City of Maysville – P.O. Box 86 – Maysville, GA 30558 or (706) 652-3310.

Water Source

The City of Maysville water system is supplied by ground water from one city well, source #102. Water is also purchased from the City of Commerce Water System which utilizes surface water from the Grove Creek watershed. In addition, the City of Maysville also has emergency service connections to Banks County Water System which obtains water from the Mountain Creek Reservoir.

The City of Maysville completed a well head protection plan in 2008. The plan showed there were no potential pollution sources in the control zone for source #102; copies of this plan are available at City Hall.

How to Read This Table

The chart in this report provides representative analytical results of water samples, collected in 2017 from the City of Maysville water system and the City of Commerce water system. Please note the following definitions:

Maximum Contaminant Level or MCL: 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 or MCLG: 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.

Action Level: The concentration of a contaminant, which triggers treatment or other requirement, which a water system must follow.

Organic Contaminant	Date	Units	MCL	MCLG	Detected (Highest)	Range	Major Sources	Violation?
TTHM City of Maysville City of Commerce	Quarterly Quarterly	ppb ppb	80 80	n/a n/a	93.87 62.17	25.4-91 43.9-92.5	By-product of drinking water chlorination	YES NO
HAA5 City of Maysville City of Commerce	Quarterly Quarterly	ppb ppb	60 60	n/a n/a	50.45 34.76	5.3-51.1 31.5-39.2	By-product of drinking water chlorination	NO NO
Chlorine Residual City of Maysville City of Commerce	Monthly Monthly	ppm ppm	MRDL =4 MRDL =4	MRDLG =4 MRDLG =4	1.81 0.86	1.13-2.22 0.20-1.56	Water disinfectant	NO NO
Total Organic Carbon City of Commerce	Monthly	Ratio	N/A	TT =2.0</td <td>1.20</td> <td>1.00-1.76</td> <td>Naturally present in the environment</td> <td>NO</td>	1.20	1.00-1.76	Naturally present in the environment	NO
Inorganic Contaminant	Date	Units	MCL	MCLG	Detected	Range	Major Sources	Violation
Nitrate/Nitrite City of Maysville	2015	ppm	10	10	2.5	n/a	Runoff from fertilizer use; leaching from septic tanks, erosion of natural deposits	NO
Lead ¹ City of Maysville City of Commerce	2017 2016	ppb ppb	AL=15 AL=15	0	8.1 0	n/a	Corrosion of household plumbing systems; Erosion of natural deposits	
Copper ² City of Maysville City of Commerce	2017 2016	ppb ppb	AL=1300 AL=1300	1300 1300	330 48	n/a n/a	Corrosion of household plumbing systems; Erosion of natural deposits	NO
Fluoride City of Maysville City of Commerce	Monthly Monthly	ppm ppm	4 4	4 4	0.74 0.71	0.51-0.97 0.13-1.00	Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from fertilizer and aluminum factories	NO NO
Microbiological	Date	Units	MCL	MCLG	Value	Range	Major Sources	Violation:
Total Coliform City of Maysville Turbidity ³	Monthly	#/100 mL	1	0	0	n/a	Naturally present in the environment. Coliforms are bacteria that are naturally present in the environment and are used as an indicator that other, potentially harmful, bacteria may be present.	NO

City of Commerce	Continuous	NTU	TT	n/a		0.02-0.26	Soil runoff	NO
Turbidity City of Commerce	Continuous	NTU	95% samples <0.3	n/a	100%	n/a	Soil runoff	NO

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AL = Action Level

MCL = Maximum Contaminant Level

MRDL = Maximum Residual Disinfectant Level

MCLG = Maximum Contaminant Level Goal

MRDLG = Maximum Residual Disinfectant Level

ND = Non Detect

ppm = parts per million, or milligrams per liter (mg/l)

ppb = parts per billion, or micrograms per liter (μ g/l)

Water-Quality Table Footnotes

- ppb of lead is reported as the 90^{th} percentile of samples taken ppb of copper is reported as the 90^{th} percentile of samples taken
- Turbidity is a measure of cloudiness in water. We monitor turbidity because it is a good indicator of the effectiveness of our filtration system.

Violation: Testing results from 2nd quarter sampling shows that our system exceeds the maximum contaminant level (MCL) for total trihalomethanes (TTHMs). The standard for TTHMs is 80 ppb averaged at an individual monitoring location over the year. During the 2nd quarter, our TTHM level at site 501 was 93.87 ppb. TTHMs, which are four volatile organic chemicals, form when disinfectants react with natural organic matter in the water. We are working to minimize the formation of TTHMs while ensuring an adequate level of disinfection to protect customers from exposure to bacteria. We have since taken samples at this location and throughout the system and had them tested. They show that we meet the standards.

Required Additional Health Information

To ensure that tap water is safe to drink, EPA prescribes limits on the amount of certain contaminants in water provided by public water systems. FDA regulations establish limits for contaminants in bottled 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 (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 radioactive material, and can pick up substances resulting from the presence of animals or from human activity. Contaminants that may be present in source water include:

- (A) Microbial contaminants, such as viruses and bacteria, which may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife.
- (B) Inorganic contaminants, 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.
- (C) Pesticides and herbicides, which may come from a variety of sources such as agriculture, stormwater runoff, and residential uses.
- (D) Organic chemical contaminants, including synthetic and volatile organics, which are by-products of industrial processes and petroleum production, and can also come from gas stations, urban stormwater runoff and septic systems.
- (E) Radioactive contaminants, which can be naturally-occurring or be the result of oil and gas production and mining activities.
- (F) TTHMs (Total Trihalomethanes) Some people who drink water containing TTHMs in excess of the MCL over many years may experience problems with their liver, kidneys, or central nervous system, and may have an increased risk of getting cancer.

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. FDA regulations establish limits for contaminants in bottled water which must provide the same protection for public health.

Some people may be more vulnerable to contaminants in drinking water than is 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 are available from the Safe Drinking Water Hotline (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. The City of Maysville Water 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 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 or at

http://www.epa.gov/safewater/lead.

National Primary Drinking Water Regulation Compliance

If you have any questions please call the Maysville City Hall at (706) 652-2274. Water Quality Data for community water systems throughout the United States is available at www.waterdata.com. Although a copy of this Water Quality Report will not be mailed to each individual customer, there will be copies available at City Hall. This report contains water quality information from the City of Maysville water system (WSID Este informe contiene information muy importante. Traduscalo o hable con un amigo quien lo entienda bien.