

City of White

Annual Water Quality Report

(2022 Water Testing Results)

- This is the annual report on the City's drinking water. The information in this report was taken from sample reports for 2022. This report will include where your water comes from, what it contains, and how it compares to standards set by Federal and State regulatory agencies.
- The City of White has been producing drinking water for its citizens since May, 1958. Water System I.D. Number: 0150004.
- The city gets its water from two wells located on School Street and a third well located on Richards Road. The water from these three wells is pumped through the distribution system to a 500,000 gal. storage tank.
- The City of White has a connection to the Bartow County Water System for emergency use.
- This Water Quality Report is required for all community water systems by the 1996 Safe Drinking Act Amendments.

Definitions:

- Action Level-The concentration of a contaminant that triggers treatment or other requirements that a water system must follow. Action levels are reported at the 90th percentile for homes at a greater risk.
- Maximum Contaminant Level (MCL)-The highest level of a contaminant that is allowed in drinking water.
- Maximum Contaminant Level Goal (MCLG)-The level of a contaminant in drinking water below which there is no known or expected risk to health.
- Not Detected-Analyzed for, but not detected.
- PPB-Part-per-billion (The equivalent to one gallon of a substance to one billion gallons of water). PPM-Part-per-million (The equivalent to one gallon of a substance to one million gallons of water).
- Treatment Technique-A required process intended to reduce the level of a contaminant in drinking water.
- Turbidity (NTU) -Measurement of suspended particles in drinking water.

Contaminants that may be present in source water include the following:

- 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 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 stormwater runoff and residential uses.
- Organic chemical contaminants, including synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum production and can also come from gas stations, urban stormwater runoff and septic systems.
- Radioactive contaminants, which can be naturally occurring or be the result of oil and gas production and mining activities.

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

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. City of White 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>.

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 microbial contaminants are available from the Safe Drinking Water Hotline (1-800-426-4791)

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 (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, in some cases, 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 the following:

- 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 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 stormwater runoff and residential uses.
- Organic chemical contaminants, including synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum production, and can also come from gas stations, urban stormwater runoff and septic systems.
- Radioactive contaminants, which can be naturally occurring or be the result of oil and gas production and mining activities.

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

Drinking Water Analysis Regulated Substances DETECTED CONTAMINANTS TABLE

Contaminant	Maximum Amount Detected	MCL	MCLG	Typical Source of Contaminant	Health Effects
Copper	90 Percentile= 260 ppb (ug/L)	Action Level: 90% Of the homes tested must have copper levels less than 1300 ug/L. No samples were above the action level.	Action Level is 1300 ug/L (ppb).	Corrosion of household plumbing	Copper is an essential nutrient, but some people who drink water containing copper in excess of the action level over a relatively short amount of time could experience gastrointestinal distress. Some people who drink water containing copper in excess of the action level over many years could suffer liver or kidney damage. People with Wilson's Disease should consult their personal physician.
Lead	90 Percentile= 0 ppb (ug/L)	Action Level: of the homes tested must have lead levels less than 15ug/L(ppb)	0 parts per billion (ug/£)	Corrosion of household plumbing	Infants and children Who drink water containing lead in excess of the action level could experience delays in their physical or mental Development. Children could show slight deficits in attention span and learning abilities. Adults who drink this water over many years could develop kidney problems or hi h blood pressure.
Fluoride	.39 mg/L (ppm) Range .39-1.14 MG/L (ppm)	4 mg/L (ppm)	4 mg/L (ppm)	Erosion of natural deposits; water additive	Some people who drink water Containing fluoride well in excess Of the MCL over many years could get bone disease, including pain and tenderness of the bones. Children may get mottled teeth
Nitrate	3.68 mg/L (ppm) Range: 1.1-5.9	10 mg/L (ppm)	10 mg/L (ppm)	Runoff from fertilizer use; leaching from septic tanks, sewage, erosion of natural deposits	Infants below the age of six 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 s drome,
HAAS (Haloacetic Acids)	Avg. Year 4.62 ug/L (ppb)	60 ug/L (ppb)	N/A	By-Product of drinking water disinfection	Some people who drink water containing haloacetic acids in excess of the MCL over many years may have an increased risk of getting cancer.

TTHM (Total Trihalomethanes)	Avg. for year. 8.41 ug/L (ppb)	80uyL (ppb)	0 parts per billion (ug/L)	By-product of drinking water chlorination	Some people who drink water containing Trihalomethanes 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.
------------------------------	--------------------------------------	-------------	-------------------------------	---	---

Special Requirements for Nitrate

- Nitrate in drinking water at levels above 10 ppm is a health risk for infants of less than six months of age. High nitrate levels in drinking water can cause blue baby syndrome. Nitrate levels may rise quickly for short periods of time because of rainfall or agricultural activity. If you are caring for an infant, you should ask for advice from your health care provider.

Results meet or surpass state and federal drinking water regulations. No maximum contaminant levels were violated.

Your Views Welcome:

If you are interested in learning more about the water system and water quality or have questions relating to this water quality report, please contact White City Hall.

The City Council meets the first
Monday of each month at 7:00 p.m. at City Hall.

If you are concerned about lead in your water, you may wish to have your water tested. For more information:
<http://www.epa.gov/safewater/lead>.

CITY OF WHITE WATER ANALYSIS 2022

Regulated Contaminants

Disinfectants and Disinfection By-Products	Collection Date	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Units	Violation	Likely Source of Contamination
Sodium Hyper Chloride 12.5%	2022	1.60 mg/l	1.60-30 mg/l	MRDLG=4	MRDL=4	Ppm	N	Water additive used to control microbes.
Nitrate (measure as Nitrogen)	2022	7.1 mg/l	5.0-7.1	10	1	Ppm	N	Runoff from fertilizer use, Leaching from septic tanks, sewage; erosion of natural deposits
SUBSTANCE DETECTED	UNIT	MCLG	MCL	AMOUNT DETECTED	SAFE			PROBABLE SOURCE
REGULATED SUBSTANCES								
LEAD	PPB	0	15 (PPb)	0	YES			CORROSION OF PLUMBING SYSTEM
COPPER	PPB	1300	1300 (PPb)	260	YES			CORROSION OF PLUMBING SYSTEM

Microbiological Monitoring Results – The water is tested monthly by the Cartersville Water Lab and all the tests were returned with negative results.