

Annual Water Quality Report

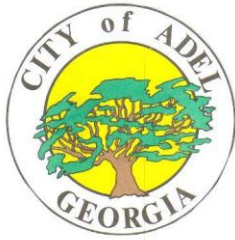
CITY OF ADEL WATER SYSTEM

2023

112 N. Parrish Avenue Adel, Ga. 31620
Ph. 229-896-4504 or 229-896-4707

Source of Water

Adel pumps water from five municipal groundwater wells ranging from 335 feet to 405 feet deep. This water source is commonly called the Upper Floridian Aquifer and provides ample volumes of water for our community. This provides the city with a safe and dependable supply of water.



Treatment Process

Phosphate is added to the water for corrosion control. This reduces mild steel, lead and copper corrosion by forming a protective barrier film between the water and the metal surfaces in the distribution system. Water is then disinfected with chlorine to make the water biologically safe.

Important Information about the Safety of Your Drinking Water

The City of Adel Water System is pleased to report your drinking water supply is safe. Drinking Water Analysis on the tables inside shows that Adel's water meets standards. Our goal is to provide our community with clean, safe, reliable drinking water as this Water Quality Report will show.

All 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 activity.

Contaminant that may be present in source water before we treat it includes:

- **Microbial contaminants**, such as viruses and bacteria that 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 productions and mining activities.

In order 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. Food and Drug Administration regulations establish limits for contaminants in bottled water that must provide the same protection for public health.

Drinking Water Analysis 2023 Report

The Adel Water Department performs many tests during the year on your water to assess its' safety.

GA Water System ID # 0750000

Regulated Substances

Substances tested and detected	Unit	Max allowed MCL	Goal MCLG	Amount Detected	Range of Detection	Sampl Date	Is it safe? (Does it meet standard?)	Typical Source of Contaminant
Copper	ppm	AL 1.3	1.3	.19 (a)	.03-.24	June 2021	YES	Corrosion of household plumbing systems; Erosion of natural deposits; Leaching from wood preservatives
Chlorine	ppm	MRDL = 4	MRDLG = 4	1.0	1-1	2023	YES	Water additive (disinfectant) used to control microbes.
Fluoride	ppm	4	4	0.198	0-0.198	2023	YES	Erosion of natural deposits; Water additives which promotes strong teeth; Discharge from fertilizer & aluminum factories
Lead	ppb	AL 15	0	1.5(a)	0-5.4	June 2021	YES	Corrosion of household plumbing systems; Erosion of natural deposits
Haloacetic Acids	ppb	60	NA	4	4	2022	YES	By-product of drinking water chlorination
Antimony	ppb	6	6	0.25	0-0.25	2023	YES	Discharge from petroleum refineries; fire retardants; ceramics; electronics; solder; test addition
Total trihalo-methanes	ppb	80	NA	9	8.5-8.5	2023	YES	By-product of drinking water chlorination.
Arsenic	ppb	10	0	1.9	0.41-1.9	2023	YES	Erosion of natural deposits; Runoff from orchards; Runoff from glass and electronics production wastes
Barium	ppm	2	2	0.0393	0.012-0.0393	2023	YES	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits
Chromium	ppb	100	100	2.4	0.94-2.4	2023	YES	Discharge from steel and pulp mills; Erosion of natural deposits

Nitrate	ppm	10	10	ND	ND	2023	YES	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits
Selenium	ppb	50	50	0.81	0-0.81	2023	YES	Discharge from petroleum and metal refineries; Erosion of natural deposits; Discharge from mines
Combined radium 226/228	pCi/l	5	(b)	0.996	0.996-0.996	2023	YES	Erosion of natural deposits
Uranium	ug/l	30	0	0.649	0.649-0.649	2023	YES	Erosion of natural deposits

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 Adel 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>.

The presence of contaminants (substances) 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 Agencies Safe Drinking Water Hotline at (800) 426-4791. Additional Information Sources: WEB sites: <http://www.epa.gov/ow> <http://www.dnr.state.ga.us/epd> <http://www.awwa.org> <http://www.amwa-water.org>

City of Adel 2023 Water Quality Report

How To Read The Report

Action Level (AL)	“The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.”
Maximum Contaminant Level (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 (MCLG)	“The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for margin of safety.”
Maximum Residual Disinfectant Level (MRDL)	“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.
Maximum Residual Disinfectant Level Goal (MRDLG)	“The level of a drinking water disinfectant below which there is no known or expected risk to health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contamination.
ml	<i>Milliliter</i> or one thousandth of a liter. One liter – slightly more than a quart.
NA	Not Applicable
n/d	Non detected
ppm	<i>Part per million</i> means 1 part per 1,000,000 (same as milligram per liter) and corresponds to 1 minute in 2 years, or 1 penny in \$10 thousand.
ppb	<i>Parts per billion</i> means 1 part per 1,000,000,000 (same as microgram per liter) and correspond to 1 minute in 2,000 years, or 1 penny in \$10 million.
(a)	Water from the treatment plant does not contain lead or copper. However under EPA test protocol, water is tested at the tap. Tap tests show that where a customer may have lead pipes or lead soldered copper pipes, the water is not corrosive. This means the amount of lead or copper absorbed by the water is limited to safe levels.
(b)	There is no MCL or MCLG set at this time.

City of Adel Source Water Assessment Plan or Wellhead Protection Plan

The City of Adel adopted a Wellhead Protection Ordinance and Plan on August 30, 2013.

This plan has been submitted to the Drinking Water Program. If you would like a copy of this ordinance and plan please contact the City of Adel Water Department at (229)-896-4707 or (229)-896-4504.

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

POINTS OF INTEREST

Seth O. Pitts, *Superintendent of the Water Department*, along with his staff of six, are responsible for the installation and maintenance of the entire water system from the time water is pumped from the ground until it reaches the customers. Our goal is to provide our community with clean, safe, and reliable drinking water.

GROWING TO SERVE YOU

The operation of the Adel Water System is conducted under the direction of the Mayor & Council of the City of Adel, Georgia.

The City Council holds regularly scheduled meetings at 5:30 p.m. on each 1st and 3rd Monday of each month. The meetings are open to the public and are held at the City Hall, located at 112 N. Parrish Ave., Adel, Georgia. The City Hall lobby or drive-thru business hours are 8:00 a.m. until 5:00 p.m. Monday-Friday.

For Customer Service you may call (229)-896-4504 For emergencies call 911.

If you would like a copy of this report please contact the above address or telephone numbers. The City of Adel will not be mailing out copies of the report.

<p><i>For additional information about the quality of our drinking water, call the City of Adel Water Department at 229-896-4707.</i></p>
