

*The Water We Drink*  
*Adams County Water Association, Inc.*  
*System ID No. 0010015 and 0010009*  
*May 15, 2025*

The 2024 annual report confirms that **your water quality is excellent**. This is evidenced by the highest rating of 5.0 from the Mississippi Department of Health again this year.

You are valued as a customer and we like to keep you informed about your water utility. The regularly scheduled meetings of the Board of Directors are held the second Thursday of each month at 5:00 p.m. at the office at 700 Highway 61 North. If you have questions, please contact Kenneth Herring at 601-446-6616. You may also visit our website at [adamscountywater.com](http://adamscountywater.com).

Your water comes from underground wells, drawn from the Lower Catahoula Aquifer. Adams County Water Association routinely monitors for constituents in your drinking water according to Federal and State laws. This table shows the results of our monitoring for the period of January 1<sup>st</sup> to December 31<sup>st</sup>, 2024.

As water travels over the land or underground, it can pick up substances or contaminants such as microbes, inorganic and organic chemicals, and radioactive substances. All drinking water, including bottled drinking water, may reasonably be 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. More information about contaminants and potential health effects can be obtained by calling the Environmental Protection Agency's (EPA) Safe Drinking Water Hotline 1-800-426-4791.

In this table you may find terms and abbreviations that might not be familiar to you. 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 a single 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.

*Million fibers per liter (mfl)* - Million fibers per liter is a measure of the presence of asbestos fibers that are longer than 10 micrometers.

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

*Treatment Technique (TT)* – A treatment technique is a required process intended to reduce the level of a contaminant in drinking water.

*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.

*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 to control microbial contaminants.

*Minimum Reporting Level* – The value and unit of measure at or above which the concentration of the contaminant must be measured using the approved analytical methods.

TEST RESULTS FOR SYSTEM ID NO. 0010015								
Contaminant	Violation Y/N	Date Collected	Level Detected	Range of Detects or # of Samples Exceeding MCL/ACL	Unit Measurement	MCLG	MCL	Likely Source of Contamination
<b>Disinfectants &amp; Disinfection By-Products</b>								
Chlorine (asCl <sub>2</sub> ) (ppm)	N	2024	1.20	0.78-2.04	mg/l	4	MRDL=4	Water additives used to control microbes
TTHM (Total trihalomethanes)	N	02-26-2024	17.7	14.2-17.7	ppb	0	80	By-product of drinking water chlorination
HAA5	N	02-26-2024	10.3	9.4-10.3	ppb	0	60	By-product of drinking water chlorination
<b>Volatile Organic Contaminants</b>								
Xylenes, Total	N	02-27-2024	0.627	0.000-0.627	ppb	0	10000	Discharge from petroleum factories; discharge from chemical factories
<b>Inorganic Contaminants</b>								
Barium	N	02-05-2024	0.0966	0.0966	ppm	2	2	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
Chromium	N	02-05-2024	0.0038	0.0038	ppm	0.1	0.1	Discharge from steel and pulp mills; erosion of natural deposits
Copper	N	01/01/2022-12/31/2024	0.2	NA	mg/l	1.3	AL=1.3	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
Fluoride*	N	02-05-2024	0.256	0.256	ppm	4	4	Water additive which promotes strong teeth; erosion of natural deposits; discharge from fertilizer and aluminum factories
Lead	N	01/01/2022-12/31/2024	4	NA	ppb	0	AL=15	Corrosion of household plumbing systems, erosion of natural deposits
Sodium	NA	10-15-2024	142,000	125,000-142,000	ppb	20,000	250,000	Likely source of contamination- Road salt, water treatment chemicals, water softeners, and sewage effluents

In addition to the above contaminants, we tested for 20 additional Volatile Organic Contaminates and 11 additional Inorganic Contaminants for which the state and EPA have set standards. We found no detectable levels of those chemicals.

## Unregulated Contaminants (Monitoring Required)

Contaminant	Violation Y/N	Monitoring Period	Average of Results	Range of Results	Unit Measurement	Minimum Reporting Level	Likely Source of Contamination
Lithium	N/A	2024	38.13	26.00-62.00	ppb	9	Naturally occurring metal, has numerous commercial uses including as a main component of batteries, and is likely found in a variety of foods. Lithium is also used as a pharmaceutical to treat certain medical conditions.

Unregulated contaminants are those for which EPA has not established drinking water standards. The purpose of unregulated contaminant monitoring is to assist EPA in determining the occurrence of unregulated contaminants in drinking water and whether future regulation is warranted. In addition to the above unregulated contaminants, we tested for 29 Polyfluoroalkyl substances “Unregulated Contaminants” for which they were all Non-Detects.

\*No fluoride is added—traces of fluoride appear naturally in ground water.

TEST RESULTS FOR SYSTEM ID NO. 0010009								
Contaminant	Violation Y/N	Date Collected	Level Detected	Range of Detects or # of Samples Exceeding MCL/ACL	Unit Measurement	MCLG	MCL	Likely Source of Contamination
<b>Disinfectants &amp; Disinfection By-Products</b>								
Chlorine (as Cl <sub>2</sub> ) (ppm)	N	2024	1.10	0.76-1.85	mg/l	4	MRDL=4	Water additives used to control microbes
TTHM (Total trihalomethanes)	N	7-31-2024	17.5	1.07-17.50	ppb	0	80	By-product of drinking water chlorination
HAA5	N	10-29-2024	7.200	0.00-7.200	ppb	0	60	By-product of drinking water chlorination
<b>Inorganic Contaminants</b>								
Arsenic	N	02-05-2024	0.0043	0.0043	ppm	.010	.010	Erosion of natural deposits; runoff from orchards, glass and electronics production wastes
Barium	N	02-05-2024	0.149	0.149	ppm	2	2	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
Copper	N	01/01/2022-12/31/2024	0.2	NA	mg/l	1.3	AL=1.3	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
Chromium	N	02-05-2024	0.0027	0.0027	ppm	0.1	0.1	Discharge from steel and pulp mills; erosion of natural deposits
Fluoride *	N	02-05-2024	0.163	0.163	ppm	4	4	Water additive which promotes strong teeth; erosion of natural deposits;

								discharge from fertilizer and aluminum factories
Lead	N	01/01/2022-12/31/2024	1	NA	ppb	0	AL=15	Corrosion of household plumbing systems, erosion of natural deposits
Nitrite	N	01-08-2024	0.322	0.00-0.322	ppm	1	1	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits
Nitrate-Nitrite	N	01-08-2024	0.322	0.00-0.322	ppm	10	10	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits
Sodium	NA	10-16-2024	146,000	86,700-146,000	ppb	20,000	250,000	Likely source of contamination- Road salt, water treatment chemicals, water softeners, and sewage effluents

In addition to the above contaminants, we tested for 7 additional Inorganic Contaminants for which the state and EPA have set standards. We found no detectable levels of those chemicals

### Unregulated Contaminants (Monitoring Required)

Contaminant	Violation Y/N	Monitoring Period	Average of Results	Range of Results	Unit Measurement	Minimum Reporting Level	Likely Source of Contamination
Lithium	N/A	01-30-2024	34.30	0.00-69.00	ppb	9	Naturally occurring metal, has numerous commercial uses including as a main component of batteries, and is likely found in a variety of foods. Lithium is also used as a pharmaceutical to treat certain medical conditions.

Unregulated contaminants are those for which EPA has not established drinking water standards. The purpose of unregulated contaminant monitoring is to assist EPA in determining the occurrence of unregulated contaminants in drinking water and whether future regulation is warranted. In addition to the above unregulated contaminants, we tested for 29 Polyfluoroalkyl substances “Unregulated Contaminants” for which they were all Non-Detects.

\*No fluoride is added—traces of fluoride appear naturally in ground water.

#### *Microbiological Contaminants:*

#### Additional Information for Lead

There are no lead service lines in the ACWA inventory. The large majority of our infrastructure is PVC main lines and PVC services to the water meter. Since the 1980's, thousands of water meter changeouts show most customers installed PVC lines to their houses and a limited number have galvanized piping. The Association has taken samples of the water throughout the system. All test results show no detects for Lead or Copper for the ACWA infrastructure. The minimum amount of copper service lines are flared fittings, not soldered. In June 2023, the Association surveyed the customer's side of the meter in the copper service areas. The survey proved the majority of the customer's side of the meter are PVC and limited galvanized lines.

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. Adams County Water Association is responsible for providing high quality drinking water and removing lead pipes but cannot control the variety of materials used in plumbing components in your home. You share the responsibility for protecting yourself and your family from the lead in your home plumbing. You can take responsibility by identifying and removing lead materials within your home plumbing and taking steps to reduce your family's risk. Before drinking tap water, flush your pipes for several minutes by running your tap, taking a shower, doing laundry or a load of dishes. You can also use a filter certified by an American National Standards Institute accredited certifier to reduce lead in drinking water. 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 at <http://www.epa.gov/safewater/lead>. The MS Public Health Laboratory (MPHL) can provide information on lead and copper testing and/or other laboratories certified to analyze lead and copper in drinking water. MPHL can be reached at 601-576-7582 (Jackson, MS). 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 high blood pressure.

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.

Our source water assessment has been completed. The wells for Adams County Water Association PSI # 010009 and 010015 have received a moderate susceptibility ranking to contamination; however, because the wells are over 500 feet deep, the possibility of contamination is greatly reduced. For a copy of the report, please contact our office at 601-446-6616.

Serving a population of approximately 16,000, Adams County Water Association is one of the largest water associations in the state. The Association maintains more than 650 miles of water lines, ten elevated water tanks, eleven wells and approximately 6,000 meters. Our two certified water operators and certified wastewater operator are conscientious about providing excellent service, and technicians regularly attend continuing education courses in order to better serve you.

All of us at Adams County Water Association strive to offer exceptional service with reasonable rates. Our Association was named "2017 USDA Water System of the Year" by USDA Rural Development. This award was for "Maintaining a highly successful and sustainable water system and demonstrating exceptional management". The annual financial report may be reviewed at [www.adamscountywater.com](http://www.adamscountywater.com), 700 Hwy 61 North, or upon written request.