2023 Quality Water Report
Arkabutla Water Association, Inc.
[PWS ID# 0690001]
June 2023

We're pleased to present to you this year's Annual Water Quality 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 source is two ground water well that pumps from the **Sparta Aquifer**
Our source water assessment is available upon request.
I'm pleased to report that our drinking water meets all federal and state requirements.
This report shows our water quality and what it means.
If you have any questions about this report or concerning your water utility, please contact Harry House (Certified Water Operator) at 8929 Arkabutla Rd. Coldwater, MS 38618, 662-562-8456. We want our valued customers to be informed about their water utility. If you want to learn more, please attend one of our scheduled meetings. They are held the third Monday in March of each year at 7:00 p.m. at the Arkabutla Community Center.

Arkabutla 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 1st to December 31st, **2023.** 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 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 this 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 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.

Picocuries per liter (pCi/L) - picocuries per liter is a measure of the radioactivity in water.

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.

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TEST RESULTS

Contaminant	Violation Y/N	Date Collected	Level Detected Your Water	Range of Detects or # of Samples Exceeding MCL/ACL	Unit Measurement	MCLG	MCL	Likely Source of Contamination
Chromium	n	12/07/22	<.0005	0	ppm	0.1	0.1	Discharge from steel and pulp mills; erosion of natural deposits
Antimony, Total	n		<.0005	ppm	ppm	0.006	. 0.006	
Arsenic	n	12/07/22	<.0005		ppm	.010	.010	
Beryllium, Total	n	12/07/22	<.0005	0	ppm	.004	0.006	
Cadmium	n	12/07/22	<.0005	0	ppm	.005	0.006	
Fluoride	n	12/07/22	.101	0	ppm	4	4	
				0				
				0				
1010 Barium	n	12/07/22	0.0483	0	ppm	2	2	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
Mercury	n	12/07/22	<.0005	0	ppm	0.002	0.002	
Selenium	n	12/07/22	<.0025	0	ppm	0.05	0.05	
Thallium, Total	n	12/07/22	<.0005	0	ppm	0.002	0.002	
14. Copper	n	2023	0.2	0	ppm	1.3	AL=1.3	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
17. Lead	n	2023	0.001	0	ppb	0	AL=0.015	Corrosion of household plumbing systems, erosion of natural deposits

1038 Nitrate+Nitrite(as N)	n	10/10/23	<0.1	0	ppm	10	10	Run-off from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits
1040 Nitrate (as Nitrogen)	n	10/10/23	<0.08	0	ppm	10	10	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits
1041 Nitrite (as Nitrogen)	n	10/10/23	<0.02	0	ppm	1	1	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits
Sodium	n	2023	9.88	0	ppb			Road salt, water treatment chemicals, water softeners, and sewer effluents

Volatile Organic Contaminants

2950 TTHM	n	10/05/22	1.64		ppb	0	80	By-product of drinking water chlorination.
2456 HAA5	n	10/05/22	2.48		ppb	0	60	
0999. Chlorine						0	MRDL=4	Water additive used to control microbes
Highest QTR RAA	n	2023	0.90	0	MG/L			
Range		2023	0.60-2.0		MG/L			

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*******A Message From MSDH Concerning Radiological Sampling*******

In accordance with the Radionuclides Rule, all community public water supplies were required to sample quarterly for radionuclides beginning January 2007 – December 2007. Your public water supply completed sampling by the scheduled deadline; however, during an audit of the Mississippi State Department of Health Laboratory, the Environmental Protection Agency (EPA) suspended analyses and reporting of radiological compliance samples and results until further notice. Although this was not the result of inaction by the public water supply, MSDH was required to issue a violation. This is to notify you that as of this date, your water system has completed the monitoring requirements and is now in compliance with the Radionuclides Rule. If you have any questions, please contact Karen Walters, Director of Compliance & Enforcement, Bureau of Public Water Supply, at 601-576-7518.

Monitoring and reporting of compliance data violations

Significant Deficiencies:

During a sanitary survey conducted on 5/19/2021, the Mississippi State Department of Health cited the following significant deficiency(s):

1. FUNCTION AND CONDITION OF TREATMENT FACILITES.

Corrective actions: Corrective actions have been taken, Tank Pro has inspected and approved.

2. OPERATIONS RECORD.

Corrective actions: Corrective actions have been completed.

3. INADEQUATE FOLLOWUP OF PREVIOUS DEFICIENCIES.

Corrective actions: Corrective actions have been completed.

4. SITE SECURITY.

Corrective actions: Corrective actions have been taken; site is secured with a lock.

Additional Information for Lead

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. Arkabutla Water Association is responsible for providing high quality drinking water, but cannot control the variety of materials used in plumbing components. When 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 you 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 Mississippi State Department of Health Public Health Laboratory offers lead testing for $10 per sample. Please contact (601)576-7582 if you wish to have your water tested.

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 (800-426-4791).

Please call 662-562-8456 if you have questions.
We ask that all our customers help us protect our water sources, which are the heart of our community, our way of life and our children’s future.