

2024 Annual Drinking Water Quality Report

Humphreys County Water Association

System #1 – Midnight (ID 270018)

Is my water safe?

We are pleased to present this year's Annual Water Quality Report (Consumer Confidence Report) as required by the Safe Drinking Water Act (SDWA). This report is designed to provide details about where your water comes from, what it contains, and how it compares to standards set by regulatory agencies. This report is a snapshot of last year's water quality. We are committed to providing you with information because informed customers are our best allies.

Do I need to take special precautions?

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/Centers for Disease Control (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 (800-426-4791).

Where does my water come from?

Our water is drawn from the Sparta Sand Aquifer by well #1 located on the south side of Midnight and well #2 located on the east end of Fish Lake Road.

Source water assessment and its availability:

Our source water assessment has been completed. Our wells were ranked moderate in terms of susceptibility to contamination. A copy of this plan is available.

Why are there contaminants in my drinking 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).

Other information:

If you want additional information about your drinking water or have questions concerning this report, you may contact us at 247-4145. If you would like to attend one of our regular monthly meetings, please call for the date and time of our meetings.

Additional Information for Lead:

Humphreys County Water Association has completed the Lead Service Line Inventory and no lead service lines were found. We reviewed installation records and made visual inspections of service lines to make that determination.

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. Humphreys 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).

Water Quality Data Table

In order to ensure that tap water is safe to drink, EPA prescribes regulations which limit the amount of contaminants in water provided by public water systems. The table below lists all of the drinking water contaminants that we detected during the calendar year of this report. Although many more contaminants were tested, only those substances listed below were found in your water. All sources of drinking water contain some naturally occurring contaminants. At low levels, these substances are generally not harmful in drinking water. A few naturally occurring minerals may actually improve the taste of drinking water and have nutritional value at low levels. Unless otherwise noted, the data presented in this table is from testing done in the calendar year of the report. The EPA and the Mississippi State Department of Health, Bureau of Public Water Supply require us to monitor for certain contaminants less than once per year because the concentrations of these contaminants do not vary significantly from year to year, or the system is not considered vulnerable to this type of contamination. As such, some of our data, though representative, may be more than one year old. In the table

below, you will find terms and abbreviations that might not be familiar to you. To help you better understand these terms, we have provided the definitions below the table.

TEST RESULTS

Contaminant	Violation Yes or No	Date Sample Collected	Level Detected in Your Water	Range of Detects or # of Samples Exceeding MCL/ACL	Unit of Measure	MCLG or MRDLG	MCL, TT, or MRDL	Likely Source of Contamination
Inorganic Contaminants								
Arsenic	No	2024	0.5	0	ppm	0	10	Erosion of natural deposits; Runoff from orchards; Runoff from glass and electronics production wastes
Barium	No	2024	0.0063	0	ppm	2	2	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
Chromium	No	2024	0.0023	0	ppm	0.1	0.1	Discharge from steel and pulp mills; erosion of natural deposits
Copper	No	*2023	0.1	0	ppm	1.3	AL=1.3	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
Cyanide	No	2024	<0.015	0	ppm	0.2	0.2	Discharge from steel/metal factories; discharge from plastic and fertilizer factories
Fluoride	No	2024	0.149	0	ppm	4	4	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories
Lead	No	*2023	2	0	ppb	0	AL=15	Corrosion of household plumbing systems; erosion of natural deposits
Nitrate	No	2024	<0.08	0	ppm	10	10	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits
Nitrite	No	2024	<0.02	0	ppm	1	1	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits
Disinfection By-Products								
Chlorine (as Cl ₂)	No	2024	1.90	1.50 – 2.20	ppm	4	4	Water additive used to control microbes
TTHM [Total Trihalomethanes]	No	2024	11.9	0	ppb	80	80	By-product of drinking water chlorination
HAA5 (Haloacetic Acids)	No	2024	6.46	0	ppb	60	60	By-product of drinking water disinfection
Volatile Organic Contaminants								
Xylene	No	*2023	<0.5	0	ppm	10	10	Discharge from petroleum factories; Discharge from chemical factories
Unregulated Contaminants								
Sodium	No	2024	66300	0	ppb	0	250000	Road salt, water treatment chemicals, water softeners, and sewage effluents

* Most recent sample. No samples were required for 2024.

Additional Monitoring

As part of an on-going evaluation program the EPA has required us to monitor some additional contaminants/chemicals. Information collected through the monitoring of these contaminants/chemicals will help to ensure that future decisions on drinking water standards are based on sound science.

Lithium	No	2024	14	0	ppm	9	9	Lithium is a naturally occurring metal
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Terms and Abbreviations used in the Table

MCLG: Maximum Contaminant Level Goal: 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.

MCL: Maximum Contaminant Level: 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.

TT: Treatment Technique: A required process intended to reduce the level of a contaminant in drinking water.

AL: Action Level: The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.

MRDLG: Maximum residual disinfection level goal. 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 contaminants.

MRDL: Maximum residual disinfectant level. 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.

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

ppb: parts per billion, or micrograms per liter (ug/l)

pCi/l: picocuries per liter (a measure of radioactivity)

% of monthly positive samples: Percent of samples taken monthly that were positive

of monthly positive samples: Number of samples taken monthly that were found to be positive