

2023 JUL 11 PM 2:30

## Certification

<p><u>Water systems serving 10,000 or more must use:</u> Distribution Method I</p> <p><u>Water systems serving 500 - 9,999 must use:</u> Distribution Method I OR Distribution Method II, III, and IV</p> <p><u>Water system serving less than 500 people must use:</u> Distribution Method I OR Distribution Method II, III, and IV OR Distribution Method III and IV</p>			OFFICE USE ONLY		
Public Water Supply name(s): <i>City of Union</i>		7-digit Public Water Supply ID #(s): <i>0510011</i>			
<b>Distribution (Methods used to distribute CCR to our customers)</b>					
<input type="checkbox"/> I. CCR directly delivered using one or more method below:					
<input type="checkbox"/> *Provided direct Web address to customer <input type="checkbox"/> Hand delivered <input type="checkbox"/> Mail paper copy <input type="checkbox"/> Email		*Add direct Web address (URL) here:			
		Example: "The current CCR is available at <a href="http://www.waterworld.org/ccrMay2023/0830001.pdf">www.waterworld.org/ccrMay2023/0830001.pdf</a> . call (000) 000-0000 for paper copy".			
<input checked="" type="checkbox"/> II. Published the complete CCR in the local newspaper.		Date(s) published: <i>5/17/2023</i>			
<input checked="" type="checkbox"/> III. Inform customers the CCR will not be mailed but is available upon request. List method(s) used (examples – newspaper, water bills, newsletter, etc.).		Date(s) notified: <i>6/26/2023</i>			
		Location distributed: <i>Water Bills</i>			
<input checked="" type="checkbox"/> IV. Post the complete CCR continuously at the local water office. <input type="checkbox"/> "Good Faith Effort" in other public buildings with the water system service area (i.e. City Hall, Public Library, etc.)		Date: <i>5/15/2023 to Present</i>			
		Locations posted: <i>City Hall</i>			
<b>Certification</b>					
This Community public water system confirms it has distributed its Consumer Confidence Report (CCR) to its customers and the appropriate notices of availability have been given and that the information contained in its CCR is correct and consistent with the compliance monitoring data previously submitted to the MS State Department of Health, Bureau of Public Water Supply and the requirements of the CCR rule.					
Name: <i>Jammy K. Ferguson</i>		Title: <i>City Clerk</i>		Date: <i>7/1/2023</i>	
<b>Submittal</b>					
Email the following required items to <a href="mailto:water.reports@msdh.ms.gov">water.reports@msdh.ms.gov</a> regardless of distribution methods used. 1. CCR (Water Quality Report)      2. Certification      3. Proof of delivery method(s)					

**2022 Annual Drinking Water Consumer Confidence Report**  
**City of Union**  
**PWS ID # 0510011**

RECEIVED  
MIDDLETOWN WATER SUPPLY  
2023 MAY 16 PM 1:38

*Report Completed on April 26, 2023*

We're pleased to present to you your 2022 Annual 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.

### **Sources of Water**

Our water source consists of 3 wells that draw from the Upper Meridian Wilcox Aquifer.

### **Water System Information**

A source water assessment has been completed for the water supply to determine the overall susceptibility of its drinking water to identify potential sources of contamination. Our water supply received a lower susceptibility ranking to contamination.

The City of Union strives to provide the best quality water for our customers. We test chemicals 7 days a week and send monthly samples to ensure no contaminants are in our drinking water. Since the pandemic, costs of all chemicals and parts for equipment have skyrocketed. To keep up with the inflation rates and to ensure the best quality of drinking water we will be raising rates soon. In 2022 we discontinued some older 2" galvanized lines at no cost to our customers.

If you have any questions about this report or concerning your water utility, please contact Johnathan Ferguson at 601-774-9422. We want our valued customers to be informed about their water utility. If you want to learn more, please attend any of our regularly scheduled meetings. They are held on the 1<sup>st</sup> Tuesday of each month at Union City Hall at 5:30 pm.

We routinely monitor 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, 2022. 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.

## CONTAMINANT TABLE

Contaminant	Violation Y/N	Date Collected	Level Detected	Range of Detects or # of Samples Exceeding MCL/ACL	MCLG	MCL	Major Sources in Drinking Water
<b>Inorganic Contaminants</b>							
13. Barium	N	2022	0.0252 ppm	No Range	2	2	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
21. Copper	N	1/1/19 to 12/31/21*	0.2 ppm	None	1.3	AL=1.3	Corrosion of household plumbing systems; erosion of natural deposits
23. Fluoride	N	2022	0.768 ppm	None	4	4	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories
24. Lead	N	1/1/19 to 12/31/21*	1.0 ppb	No Range	0	AL=15	Corrosion of household plumbing systems, erosion of natural deposits
<b>Disinfectants &amp; Disinfectant By-Products</b>							
83. Chlorine	N	2022	0.80 ppm	0.80 to 0.80	4	4	Water additive used to control microbes
84. Haloacetic Acids HAA5	N	2022	5.18 ppb	No Range	0	60	By-product of drinking water disinfection
85. TTHM [Total trihalomethanes]	N	2022	9.85 ppb	No Range	0	80	By-product of drinking water disinfection

\* Most recent sample results available

## UNREGULATED CONTAMINANTS

Contaminant	Violation Y/N	Date Collected	Level Detected	Range of Detects or # of Samples Exceeding MCL/ACL	MCLG	MCL	Major Sources in Drinking Water
Sodium	N	2022	4320 ppb	No Range	0	250000	Road salt, water treatment chemicals, water softeners and sewage effluents

### Explanation of Reasons for Monitoring Unregulated Contaminants

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.

### Definitions

In the table above 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:
<b>Action Level</b> - the concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.
<b>Treatment Technique (TT)</b> - A treatment technique is a required process intended to reduce the level of a contaminant in drinking water.
<b>Maximum Contaminant Level</b> - 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.
<b>Maximum Contaminant Level Goal</b> - 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.
<b>ppb</b> - parts per billion = micrograms per liter (= 1 drop in 1 billion gallons)
<b>ppm</b> - parts per million = milligrams per liter (= 1 drop in 1 million gallons)

## **Fluoride Information**

To comply with the “Regulation Governing Fluoridation of Community Water Supplies”, the City of Union is required to report certain results pertaining to fluoridation of our water system. The number of months in the previous calendar year in which the average fluoride samples were within the optimal range of 0.6 - 1.2 ppm was 10. The percentage of fluoride samples collected in the previous calendar year that was within the optimal range of 0.6 - 1.2 was 83%. The number of months samples were collected and analyzed in the previous calendar year was 12.

## **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. Our 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 Mississippi State Department of Health Public Health Laboratory offers lead testing. Please contact 601.576.7582 if you wish to have your water tested.

## **Additional Information**

All sources of drinking water are subject to potential contamination by substances that are naturally occurring or man made. These substances can be microbes, inorganic or organic chemicals and radioactive substances. 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 the 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 at 1-800-426-4791.

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).

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 advice from your health care provider.

EPA is reviewing the drinking water standard for arsenic because of special concerns that it may not be stringent enough. Arsenic is a naturally occurring mineral known to cause cancer in humans at high concentrations.

The average household uses approximately 400 gallons of water per day. There are many low cost and no-cost ways to conserve water. Small changes can make a big difference - try one today and soon it will become second nature.

- ▶ Take short showers - a 5 minute shower uses 4 to 5 gallons of water compared to 50 gallons for a bath.
- ▶ Shut off water while brushing your teeth, washing your hair and shaving and save up to 500 gallons a month.
- ▶ Use a water-efficient showerhead. They are inexpensive, easy to install and can save you up to 750 gallons a month.
- ▶ Run your clothes wash and dishwasher only when they are full. You can save up to 1,000 gallons a month.
- ▶ Water plants only when necessary.

- ▶ Fix leaky toilets and faucets. Faucet washers are inexpensive and take only a few minutes to replace. To check your toilet for a leak, place a few drops of food coloring in the tank and wait. If it seeps into the toilet bowl without flushing, you have a leak. Fixing it or replacing it with a new, more efficient model can save up to 1,000 gallons a month.
- ▶ Adjust sprinklers so only your lawn is watered. Apply water only as fast as the soil can absorb it and during the cooler parts of the day to reduce evaporation.
  
- ▶ Teach your children about water conservation to ensure a future generation that uses water wisely. Make it a family effort to reduce next month's water bill!
- ▶ Visit [www.epa.gov/watersense](http://www.epa.gov/watersense) for more information.

This report is being published in the paper and will not be mailed. Please call our office if you have any questions.

**2021 ANNUAL DRINKING WATER QUALITY REPORT**  
**CITY OF UNION**  
**PWS ID # 0510011**  
**APRIL 2022**

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 consists of 3 wells that draw from the Upper Meridian Wilcox Aquifer.

A source water assessment has been completed for the water supply to determine the overall susceptibility of its drinking water to identify potential sources of contamination. The water supply for the City of Union received a lower susceptibility ranking to contamination.

We're pleased to report that our drink-

ing water meets all federal and state requirements.

If you have any questions about this report or concerning your water utility, please contact Johnathan Ferguson at 601-575-1318. We want our valued customers to be informed about their water utility. If you want to learn more, please attend any of our regularly scheduled meetings. They are held on the 1st Tuesday of each month at Union City Hall at 5:30 pm.

We routinely monitor 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 31, 2021. 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:

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

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**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.

**TEST RESULTS**

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>Inorganic Contaminants</b>								
13. Barium	N	2019*	0.0221	No Range	ppm	2	2	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
21. Copper	N	1/1/19 to 12/31/21	0.2	None	ppm	1.3	AL=1, 3	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
23. Fluoride	N	2019*	0.721	None	ppm	4	4	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories
24. Lead	N	1/1/19 to 12/31/21	1	No Range	ppb	0	AL=15	Corrosion of household plumbing systems, erosion of natural deposits
<b>Disinfectants &amp; Disinfectant By-Products</b>								
83. Chlorine	N	1/1/21 to 12/31/21	0.80	0.80 to 0.80	ppm	4	4	Water additive used to control microbes
84. Haloacetic Acids HAA5	N	2021	4.0	No Range	ppb	0	60	By-product of drinking water disinfection
85. TTHM [Total trihalomethanes]	N	2021	14.8	No Range	ppb	0	80	By-product of drinking water disinfection

\* Most recent sample results available

To comply with the "Regulation Governing Fluoridation of Community Water Supplies", the City of Union is required to report certain results pertaining to fluoridation of our water system. The number of months in the previous calendar year in which the average fluoride sample results were within the optimal range of 0.6 - 1.2 ppm was 11. The percentage of fluoride samples collected in the previous calendar year that was within the optimal range of 0.6 - 1.2 ppm was 92 %.

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**Publish Date: May 25, 2022**

NUMBER

NUMBER

DATE

AMOUNT

# PROOF OF PUBLICATION

STATE OF MISSISSIPPI  
COUNTY OF NEWTON

Personally came before me the undersigned authority, in and for the County and State aforesaid Brent Maze, who being by me duly sworn, states on oath that he is the Publisher of *The Newton County Appeal*, a newspaper published in Newton County, Mississippi. A copy of which is hereto attached, has

been made in said paper 1 times consecutively, to-wit:

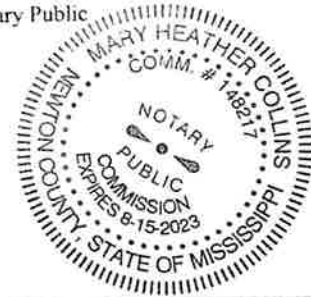
Vol. No. <u>113</u>	No. <u>43</u>	Date <u>5/25</u> , 20 <u>22</u>
Vol. No. _____	No. _____	Date _____, 20____
Vol. No. _____	No. _____	Date _____, 20____
Vol. No. _____	No. _____	Date _____, 20____
Vol. No. _____	No. _____	Date _____, 20____

For: City of Union

Publisher Signature: Brent Maze  
Sworn to and subscribed before me,

this 25<sup>th</sup> day of May, 2022  
Heather Collins

Notary Public



Paste clipping here

	<u>889 words / 10.5 display</u>
Publication:	\$ <u>206.43</u>
Proof:	\$ <u>3.00</u>
TOTAL:	\$ <u>209.43</u>

ACCOUNT NO.	SERVICE FROM	SERVICE TO
01-0003000	05/15	06/15

SERVICE ADDRESS  
306 BANK STREET

CURRENT	METER READINGS PREVIOUS	USED
798000	796900	1100

CHARGE FOR SERVICES

WTR	18.00
SWR	18.00
GRB	20.00
NET DUE >>>	56.00
SAVE THIS >>	5.60
GROSS DUE >>	61.60

RETURN THIS STUB WITH PAYMENT TO:  
**CITY OF UNION**  
404 BANK STREET • UNION, MS 39365  
601-774-9422

PRESORTED  
FIRST-CLASS MAIL  
U.S. POSTAGE  
PAID  
PERMIT NO. 9  
UNION, MS

PAY NET AMOUNT ON OR BEFORE DUE DATE	DUE DATE	PAY GROSS AMOUNT AFTER DUE DATE
	07/10/2023	
NET AMOUNT	SAVE THIS	GROSS AMOUNT
56.00	5.60	61.60

UPDATED CCR POSTED  
IN CITY HALL

**RETURN SERVICE REQUESTED**

01-0003000  
~~BUTCH WILLIAMS~~

112 NORTH DECATUR ST  
UNION MS 39365