## Certification

2023 SEP 13 PM 2: 01

W	ater systems	serving	10,000	or	more	must	use:

Distribution Method I

Water systems serving 500 - 9,999 must use:

Distribution Method I OR

Distribution Method II, III, and IV

Water system serving less than 500 people must use:

Distribution Method I OR					
Distribution Method II, III, and IV OR		0.77.77			
Distribution Method III and IV	OFFICE USE ONLY				
Public Water Supply name(s):	7-digit Public Water S	upply ID #(s):			
Keownville	0730004				
<b>Distribution</b> (Methods used to distribute CCR to ou	ir customers)				
☐ I. CCR directly delivered using one or more method b					
<ul> <li>□ *Provided direct Web address to customer</li> <li>□ Hand delivered</li> </ul>	*Add direct Web address (URL				
□ Mail paper copy	Example: "The current Co				
□ Email	www.waterworld.org/ccrMa				
XII. Published the complete CCR in the local	Date(s) published:	1 1 12			
newspaper	June 28, 20	23			
VIII. Inform customers the CCR will not be mailed	Date(s) notified:				
but is available upon request.	July 2023				
List method(s) used (examples = newspaper, water					
bills, newsletter, etc.).	Location distributed: Waster Bills				
JV. Post the complete CCR continuously at the	Date July 10,20	023			
local water office.	Locations posted:				
"Good Faith Effort" in other public buildings with	and the viving	0 11			
the water system service area (i.e. City Hall, Public Library, etc.)	Keannuille Rural	Water Building			
Certification					
This Community public water system confirms it has distributed in					
and the appropriate notices of availability have been given and t					
consistent with the compliance monitoring data previously subm Public Water Supply and the requirements of the CCR rule.	affed to the MS State Departmen	nt of Health. Bureau of			
Name:	Title:	Date			
( b 1) h		9-13-2023			
Lun Kickey	& Secretary	9-13,000			
Submittal	U				
Email the following required items to water,reports a msdh.ms.gov		ds used.			
1. CCR (Water Quality Report) 2. Certificat	ion 3_Proof of delivery me	thod(s)			

## 2022 Annual Drinking Water Quality Report **Keownville Water Association** PWS#: 0730004

June 2023

RECEIVED

MSDH-WATER SUPPLY

We're pleased to present to you this year's Annual Quality Water 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 cofe and discontinuous 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 dricking water. We want you to understand the efforts we make to continually improve the water treatment procession water resources. We are committed to ensuring the quality of your water.

## Contact & Meeting Information

If you have any questions about this report or concerning your water utility, please contact Ellis W. Chism at 662.538.4562. 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 second Monday of each month at 7:00 PM at Keownville Water Building.

## Source of Water

Our water source is from wells drawing from the Coffee Sand Aquifer. The source water assessment has been completed for our public water system to determine the overall susceptibility of its drinking water supply to identify potential sources of contamination. A report containing detailed information on how the susceptibility determinations were made has been furnished to our public water system and is available for viewing upon request. The wells for the Keownville Water Association have received a moderate susceptibility ranking to contamination.

## **Period Covered by Report**

We routinely monitor for contaminants in your drinking water according to federal and state laws. This report is based on results of our monitoring period of January 1st to December 31st, 2022. In cases where monitoring wasn't required in 2022, the table reflects the most recent testing done in accordance with the laws, rules, and regulations.

As water travels over the surface of land or underground, it dissolves naturally occurring minerals and, in some cases, radioactive materials and can pick up substances or contaminants from the presence of animals or from human activity; 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-water 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 storm-water 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 and septic systems; radioactive contaminants, which can be naturally occurring or be the result of oil and gas production 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. All drinking water, including bottled drinking water, may be reasonably expected to contain at least small amounts of some contaminants. It's important to remember that the presence of these contaminants does not necessarily indicate that the water poses a health risk.

## **Terms and Abbreviations**

In the table you may find unfamiliar terms and abbreviations you might not be familiar with. To help you better understand these terms we've provided the following definitions:

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

Maximum Contaminant Level (MCL): 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 (MCLG): 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.

Maximum Residual Disinfectant Level Goal (MRDLG): The level of a drinking water disinfectant below which there is no known or expected risk of health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contaminants.

Parts per billion (ppb) or micrograms per liter: one part by weight of analyte to 1 billion parts by weight of the water sample.

Parts per million (ppm) or Milligrams per liter (mg/l): one part by weight of analyte to 1 million parts by weight of the water sample.

Level 1 Assessment: A study of the water system to identify potential problems and determine (if possible) why total coliform bacteria have been found in our water system.

*:				TEST R	<b>ESULT</b>	S			
Contaminant	Violation Y/N	Date Collected	Level Detected	Range of Detects or # of Samples Exceeding MCL/ACL	Unit Measure -ment	MCLG	MCL		Likely Source of Contamination
Inorgani	c Conta	aminan	its						
8. Arsenic	N	2022	1.7	No Range	ppb	n/a	10	Erosion of natural orchards; runoff frelectronics produce	
10. Barium	N	2022	.498	.119498	ppm	2	2	Discharge of drilling wastes; discharge from metal refineries; erosion of natura deposits	
14. Copper	N	2019/21*	0	0	ppm	1.3	AL=1.3	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives	
16. Fluoride	N	2022	.193	<sub>*</sub> 117193	ppm	4	4	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories	
17. Lead	N	2019/21*	1	0	ppb	0	AL=15	Corrosion of hous systems, erosion	ehold plumbing of natural deposits
Unregula	ited Co	ntamir	nants						
Sodium	N	2019*	81000	51000 - 81000	ppb	0	0	Road Salt, Water Chemicals, Water Sewage Effluents.	Softeners and
Disinfect	ion By	-Produ	cts						
81. HAA5	N	2022	5.82	No Range	ppb	0	60	By-Product of dri disinfection.	nking water
82, TTHM [Total trihalomethanes]	N	2022	3.89	No Range	ppb	0	80	By-product of dri chlorination.	nking water
Chlorine	N	2022	1.7	1-2	ppm	0	MRDL = 4	Water additive us microbes	sed to control

<sup>\*</sup> Most recent sample. No sample required for 2022.

Microbiological Contaminants:

During June 2022 we had one sample on our system that tested positive for total coliform. The resamples were clear and show we are meeting drinking water standards. During the past year we were required to conduct and completed 1 (one) Level 1 assessment. In addition, we were required to take and completed 1 (one) corrective action.

We are required to monitor your drinking water for specific contaminants on a monthly basis. Results of regular monitoring are an indicator of whether or not our drinking water meets health standards. In an effort to ensure systems complete all monitoring requirements, MSDH now notifies systems of any missing samples prior to the end of the compliance period.

## LEAD INFORMATION

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.

## **VIOLATIONS**

As you can see by the table, our system had no violations. We're proud that your drinking water meets or exceeds all Federal and State requirements. We have learned through our monitoring and testing that some contaminants have been detected, however the EPA has determined that your water IS SAFE at these levels.

## **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 regulations are warranted.

<sup>(1)</sup> Coliforms are bacteria that are naturally present in the environment and are used as an indicator that other, potentially harmful, waterborne pathogens may be present or that a potential pathway exists through which contamination may enter the drinking water distribution system. We found coliform indicating the need to look for potential problems in water treatment or distribution. When this occurs, we are required to conduct assessments (s) to identify problems and to correct any problems that were found during these assessments.

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 1.800.426.4791.

Our water system works around the clock to provide top quality water to every tap. 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.

Please note: This report will not be mailed to each customer, however you may request a copy from our office.

# 2022 Annual Drinking Water Quality Report Memoritishs Water Association PWSB 0710004 June 2023

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## 2022 Annual Drinking Water Quality Report Kerwnville Water Association PWS#: 0730004

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our valued customers to be ordered about they water usery if you want in from corresponds about any of your regularly authorized
meetings. They are held on the second bloods of each month at 7 (3) PM or her equility from building.

Source of Water
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a smallacke by viewing upon request. The wells for the Receivable Water Association have received a motivation susceptibility in our public water system.

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