

2021 CERTIFICATION

Consumer Confidence Report (CCR)

Mooreville - Richmond Water Association

PRINT Public Water System Name

0410032 - 0410039 - 0410007

List PWS ID #s for all Community Water Systems included in this CCR

CCR DISTRIBUTION (Check all boxes that apply)

INDIRECT DELIVERY METHODS (Attach copy of publication, water bill or other)

DATE ISSUED

Advertisement in local paper (Attach copy of advertisement)

On water bill (Attach copy of bill)

5-3-22

Email message (Email the message to the address below)

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DATE ISSUED

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(Provide direct URL):

<https://rw9.co/NT82L>

5-3-22

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Published in local newspaper (attach copy of published CCR or proof of publication)

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CERTIFICATION

I hereby certify that the Consumer Confidence Report (CCR) has been prepared and distributed to its customers in accordance with the appropriate distribution method(s) based on population served. Furthermore, I certify that the information contained in the report is correct and consistent with the water quality monitoring data for sampling performed and fulfills all CCR requirements of the Code of Federal Regulations (CFR) Title 40, Part 141.151 - 155.

David W Faust
Name

manager/operator
Title

5-2-22
Date

SUBMISSION OPTIONS (Select one method ONLY)

You must email or mail a copy of the CCR, Certification, and associated proof of delivery method(s) to the MSDH, Bureau of Public Water Supply.

Mail: (U.S. Postal Service)

MSDH, Bureau of Public Water Supply

P.O. Box 1700

Jackson, MS 39215

Email: water.reports@msdh.ms.gov

2021 Annual Drinking Water Quality Report
 Mooreville Richmond Water Association
 PWS#: 0410007, 0410032 & 0410039
 April 2022

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 MSDH-WATER SUPPLY
 2022 APR 28 AM 8:53

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 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 providing you with information because informed customers are our best allies.

If you have any questions about this report or concerning your water utility, please contact David Faust at 662.213.9971. We want our valued customers to be informed about their water utility. If you want to learn more, please join us at any of our regularly scheduled meetings. They are held on the third Thursday of the month at 5:30 PM at the water department located at 751 HWY 371, Mooreville, MS.

Our water source is from wells drawing from the Eutaw Aquifer. The source water assessment has been completed for our public water system to determine the overall susceptibility of its drinking water supply to identified 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 Mooreville Richmond Water Association have received a moderate ranking in terms of susceptibility to contamination.

We routinely monitor for contaminants in your drinking water according to Federal and State laws. This table below lists all of the drinking water contaminants that were detected during the period of January 1st to December 31st, 2021. In cases where monitoring wasn't required in 2021, the table reflects the most recent results. 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.

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.

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 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.

PWS ID #: 0410007		TEST RESULTS						
Contaminant	Violation Y/N	Date Collected	Level Detected	Range of Detects or # of Samples Exceeding MCL/ACL/MRDL	Unit Measure -ment	MCLG	MCL	Likely Source of Contamination
Radioactive Contaminants								
5. Gross Alpha	N	2020	2.4	No Range	pCi/L	0	15	Erosion of natural deposits
Inorganic Contaminants								
8. Arsenic	N	2021	.7	.5 - .7	ppb	n/a	10	Erosion of natural deposits; runoff from orchards; runoff from glass and electronics production wastes
10. Barium	N	2021	.0977	.0772 - .0977	ppm	2	2	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits

13. Chromium	N	2021	.7	No Range	ppb	100	100	Discharge from steel and pulp mills; erosion of natural deposits
14. Copper	N	2018/20*	.4	0	ppm	1.3	AL=1.3	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
15. Cyanide	N	2021	34.1	No Range	ppb	200	200	Discharge from steel/metal factories; discharge from plastic and fertilizer factories
16. Fluoride	N	2021	.115	.1 - .115	ppm	4	4	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories
17. Lead	N	2018/20*	0	0	ppb	0	AL=15	Corrosion of household plumbing systems, erosion of natural deposits
Sodium	N	2019*	37000	23000 - 37000	ppb	0	0	Road Salt, Water Treatment Chemicals, Water Softeners and Sewage Effluents.

Disinfection By-Products

82. TTHM [Total trihalomethanes]	N	2020	8.51	No Range	ppb	0	80	By-product of drinking water chlorination.
Chlorine	N	2021	1.9	.5 - 2.7	mg/l	0	MRDL = 4	Water additive used to control microbes

PWS ID #: 0410032

TEST RESULTS

Contaminant	Violation Y/N	Date Collected	Level Detected	Range of Detects or # of Samples Exceeding MCL/ACL/MRDL	Unit Measurement	MCLG	MCL	Likely Source of Contamination
Inorganic Contaminants								
8. Arsenic	N	2019*	.7	No Range	ppb	n/a	10	Erosion of natural deposits; runoff from orchards; runoff from glass and electronics production wastes
10. Barium	N	2019*	.105	.0909 - .105	ppm	2	2	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
14. Copper	N	2019/21	.4	0	ppm	1.3	AL=1.3	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
16. Fluoride	N	2019*	.128	.101 - .128	ppm	4	4	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories
17. Lead	N	2019/21	23	0	ppb	0	AL=15	Corrosion of household plumbing systems, erosion of natural deposits
Sodium	N	2019*	30000	28000 - 30000	ppb	0	0	Road Salt, Water Treatment Chemicals, Water Softeners and Sewage Effluents.
Volatile Organic Contaminants								
76. Xylenes	N	2021	.002	No Range	ppm	10	10	Discharge from petroleum factories; discharge from chemical factories
Disinfection By-Products								
82. TTHM [Total trihalomethanes]	N	2021	1.31	No Range	ppb	0	80	By-product of drinking water chlorination.
Chlorine	N	2021	1.3	.6 - 2.1	mg/l	0	MRDL = 4	Water additive used to control microbes

PWS ID #: 0410039**TEST RESULTS**

Contaminant	Violation Y/N	Date Collected	Level Detected	Range of Detects or # of Samples Exceeding MCL/ACL/MRDL	Unit Measure-ment	MCLG	MCL	Likely Source of Contamination
Radioactive Contaminants								
5. Gross Alpha	N	2018*	1.7	No Range	pCi/L	0	15	Erosion of natural deposits
6. Radium 226	N	2018*	.8	No Range	pCi/L	0	5	Erosion of natural deposits
Inorganic Contaminants								
10. Barium	N	2020*	.1644	No Range	ppm	2	2	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
13. Chromium	N	2020*	2.3	No Range	ppb	100	100	Discharge from steel and pulp mills; erosion of natural deposits
14. Copper	N	2018/20*	.1	0	ppm	1.3	AL=1.3	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
17. Lead	N	2018/20*	1	0	ppb	0	AL=15	Corrosion of household plumbing systems, erosion of natural deposits
Sodium	N	2019*	34000	27000 - 34000	ppb	0	0	Road Salt, Water Treatment Chemicals, Water Softeners and Sewage Effluents.
Disinfection By-Products								
Chlorine	N	2021	1	.6 – 1.7	mg/l	0	MRDL = 4	Water additive used to control microbes

* Most recent sample. No sample required for 2021.

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.

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.

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 microbial contaminants are available from the Safe Drinking Water Hotline 1.800.426.4791.

The Mooreville Richmond Water Association 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. In 2022-2023 we are looking to upgrade lines in 15 different areas. Also looking to upgrade to AMR meters in routes 1-7.

MOOREVILLE-RICHMOND WATER ASSN.
 BOX 28 - MOOREVILLE, MISSISSIPPI 38857

FOR SERVICE AT 579 ROAD 1409				
RT/ACCT-SUB			CUSTOMER NO	
3/72-0			592	
BILL DATE		STAT	DATE DUE	
04/22/22		A	05/15/2022	
DATE READ	DAYS	SERVICE FROM	SERVICE TO	
04/19/22	33	03/17/22	04/19/22	
PREVIOUS	PRESENT	USAGE	CODE	AMOUNT
535538	542243	6705	WTR	41.94
PAID BY BANK DRAFT				
IF PAID ON TIME	SAVE THIS PENALTY	AFTER	PAY	
41.94	4.19	15th	46.13	
UTILITY BILL IS PAYABLE BY DUE DATE				

FIRST CLASS MAIL
 AUTO
 US POSTAGE
 PAID
 MOOREVILLE, MS
 PERMIT #1
 RETURN
 SERVICE
 REQUESTED

RT/ACCT-SUB		CUSTOMER NO.	
3/72-0		592	
DATE DUE			
05/15/2022			
NET AMOUNT	PENALTY	GROSS AMOUNT	
41.94	4.19	46.13	

PLEASE BRING ENTIRE BILL WHEN MAKING PAYMENT. IF REMITTING BY MAIL,
 ENCLOSE THIS STUB WITH CHECK. CANCELED CHECK IS YOUR RECEIPT.
 The CCR is now available at
<https://rw9.co/NT82L>

MR DAVID FAUST
 579 ROAD 1409
 MOOREVILLE, MS 38857-7405

