RECEIVED-WATER SUPPLY

2021 MAY 26 AM 8:24

MISSISSIPPI STATE DEPARTMENT OF HEALTH

2020 CERTIFICATION

Consumer Confidence Report (CCR)

Mooreville - Richmond Water Association

Public Water System Name

0410032 - 0410039 - 0410007

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

The Federal Safe Drinking Water Act (SDWA) requires each Community Public Water System (PWS) to develop and distribute a Consumer Confidence Report (CCR) to its customers each year. Depending on the population served by the PWS, this CCR must be mailed or delivered to the customers, published in a newspaper of local circulation, or provided to the customers upon request. Make sure you follow the proper procedures when distributing the 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 bills *(Attach copy of bill)*	June 2021 May 2021
☐ Email message *(Email the message to the address below)*	
☐ Other _____	
DIRECT DELIVERY METHOD *(Attach copy of publication, water bill or other)*	**DATE ISSUED**
☐ Distributed via U. S. Postal Mail	
☐ Distributed via E-Mail as a URL *(Provide Direct URL)*: _____	
☐ Distributed via E-Mail as an attachment	
☐ Distributed via E-Mail as text within the body of email message	
☐ Published in local newspaper (attach copy of published CCR or proof of publication)	
☑ Posted in public places (attach list of locations) water Department Lobby	5-20-21
☑ Posted online at the following address *(Provide Direct URL)*: moorevillerichmond.myruralwater.com/water-quality-report	5-20-21

CERTIFICATION

I hereby certify that the CCR has been distributed to the customers of this public water system in the form and manner identified above and that I used distribution methods allowed by the SDWA. I further certify that the information included in this CCR is true and correct and is consistent with the water quality monitoring data provided to the PWS officials by the MSDH, Bureau of Public Water Supply.

David Faust	Operator/manager	5-20-21
Name	Title	Date

SUBMISSION OPTIONS (*Select one method ONLY*)

You must email, fax (not preferred), or mail a copy of the CCR and Certification to the MSDH.

Mail: (U.S. Postal Service)
MSDH, Bureau of Public Water Supply
P.O. Box 1700
Jackson, MS 39215

Email: water.reports@msdh.ms.gov

Fax: (601) 576-7800 (NOT PREFERRED)

CCR DEADLINE TO MSDH & CUSTOMERS: BY JULY 1, 2021

RECEIVED-WATER SUPPLY

2021 MAY 19 AM 8:11

2020 Annual Drinking Water Quality Report
Mooreville Richmond Water Association
PWS#: 0410007, 0410032 & 0410039
May 2021

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 662.844.0311. 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, 2020. In cases where monitoring wasn't required in 2020, 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
Microbiological Contaminants								
1. Total Coliform Bacteria	N	August	Positive	1	NA	0	presence of coliform bacteria in 5% of monthly samples	Naturally present in the environment
Radioactive Contaminants								
5. Gross Alpha	N	2020	2.4	No Range	pCi/L	0	15	Erosion of natural deposits

Inorganic Contaminants

8. Arsenic	N	2020	1.2	.5 – 1.2	ppb	n/a	10	Erosion of natural deposits; runoff from orchards; runoff from glass and electronics production wastes
10. Barium	N	2020	.1131	.081 - .1131	ppm	2	2	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
13. Chromium	N	2020	1.5	.9 – 1.5	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
16. Fluoride	N	2020	.135	.1 - .135	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	2020	1.7	0 – 2.5	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 Measure -ment	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	2016/18*	.2386	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	2016/18*	13	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.
Disinfection By-Products								
Chlorine	N	2020	1.5	.7 – 2	mg/l	0	MRDL = 4	Water additive used to control microbes

PWS ID #: 0410039 TEST RESULTS

Contaminant	Violation	Date	Level	Range of Detects or	Unit	MCLG	MCL	Likely Source of Contamination

	Y/N	Collected	Detected	# of Samples Exceeding MCL/ACL/MRDL	Measure -ment			
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	2020	1	.6 – 1.8	mg/l	0	MRDL = 4	Water additive used to control microbes

** Most recent sample. No sample required for 2020.*

Microbiological Contaminants:

(1) Total Coliform/E Coli. 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.

On system # 410007, in August of 2020 we had one sample on each system that tested positive for total coliform. The resamples were clear.

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.

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

FOR SERVICE AT 373 HIGHWAY 371

RT/ACCT-SUB	CUSTOMER NO.
1/1350-5	7017

BILL DATE	STAT	DATE DUE
05/19/21	A	06/15/21

DATE READ	DAYS	SERVICE FROM	SERVICE TO
05/13/21	29	04/14/21	05/13/21

PREVIOUS	PRESENT	USAGE	CODE	AMOUNT
158901	160978	2077	WTR	16.00

IF PAID ON TIME	SAVE THIS PENALTY	AFTER 15th PAY
16.00	1.60	17.60

UTILITY BILL IS PAYABLE BY DATE DUE.

FIRST CLASS MAIL
AUTO
U.S. POSTAGE PAID
MOOREVILLE, MS
PERMIT #1

RETURN SERVICE REQUESTED

RT/ACCT-SUB	CUSTOMER NO.
1/1350-5	7017

DATE DUE
06/15/2021

NET AMOUNT	PENALTY	GROSS AMOUNT
16.00	1.60	17.60

PLEASE BRING ENTIRE BILL WHEN MAKING PAYMENT. IF REMITTING BY MAIL ENCLOSE THIS STUB WITH CHECK. CANCELLED CHECK IS YOUR RECEIPT.

moorevillerichmond.myruralwater.com/water-quality-report

BRAD MURPHY

373 HIGHWAY 371
MOOREVILLE, MS 38857-7303

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

FOR SERVICE AT 1282 DRIVE 1252 EAST

RT/ACCT-SUB	CUSTOMER NO.
2/12700-5	10084

BILL DATE	STAT	DATE DUE
05/19/21	A	06/15/21

DATE READ	DAYS	SERVICE FROM	SERVICE TO
05/13/21	59	03/15/21	05/13/21

PREVIOUS	PRESENT	USAGE	CODE	AMOUNT
598572	603847	5275	WTR	39.65
			TAX	2.78

IF PAID ON TIME	SAVE THIS PENALTY	AFTER 15th PAY
42.43	4.24	46.67

UTILITY BILL IS PAYABLE BY DATE DUE.

FIRST CLASS MAIL
AUTO
U.S. POSTAGE PAID
MOOREVILLE, MS
PERMIT #1

RETURN SERVICE REQUESTED

RT/ACCT-SUB	CUSTOMER NO.
2/12700-5	10084

DATE DUE
06/15/2021

NET AMOUNT	PENALTY	GROSS AMOUNT
42.43	4.24	46.67

PLEASE BRING ENTIRE BILL WHEN MAKING PAYMENT. IF REMITTING BY MAIL ENCLOSE THIS STUB WITH CHECK. CANCELLED CHECK IS YOUR RECEIPT.

moorevillerichmond.myruralwater.com/water-quality-report

WANDA BARNARD LINDSEY

1133 HIGHWAY 371
TUPELO, MS 38804