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2019 CERTIFICATION Consumer Confidence Report (CCR)

Mooreville Richmond Water Association

Public Water System Name

0410007 - 0410032 - 0410039

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. You must email, fax (but not preferred) or mail a copy of the CCR and Certification to the MSDH. Please check all boxes that apply.

Customers were informed of availability of CCR by: *(Attach copy of publication, water bill or other)*

Advertisement in local paper *(Attach copy of advertisement)*

On water bills *(Attach copy of bill)*

Email message *(Email the message to the address below)*

Other web-site _____

Date(s) customers were informed: 05 / 01 / 2020 05 / 15 / 2020 05 / 30 / 2020

CCR was distributed by U.S. Postal Service or other direct delivery. Must specify other direct delivery methods used _____

Date Mailed/Distributed: / /

CCR was distributed by Email *(Email MSDH a copy)* Date Emailed: / / 2020

As a URL, <http://ccrwater.net/moorevillerichmond-69084> *(Provide Direct URL)*

As an attachment

As text within the body of the email message

CCR was published in local newspaper. *(Attach copy of published CCR or proof of publication)*

Name of Newspaper: _____

Date Published: / /

CCR was posted in public places. *(Attach list of locations)* Date Posted: 05 / 10 / 2020

CCR was posted on a publicly accessible internet site at the following address: Water Department

www.moorevillerichmond.myruralwater.com *(Provide Direct URL)*

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 Mississippi State Department of Health, Bureau of Public Water Supply

Ronald W. Cant *Manager*

Name/Title *(Board President, Mayor, Owner, Admin. Contact, etc.)*

05-11-2020

Date

Submission options *(Select one method ONLY)*

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

Email: _____

Fax: (601) 576-7800

****Not a preferred method due to poor clarity****

CCR Deadline to MSDH & Customers by July 1, 2020!

2019 Annual Drinking Water Quality Report
 Mooreville Richmond Water Association
 PWS#: 0410007, 0410032 & 0410039
 May 2020

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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, 2019. In cases where monitoring wasn't required in 2019, 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
Inorganic Contaminants								
8. Arsenic	N	2019	1.1	No Range	ppb	n/a	10	Erosion of natural deposits; runoff from orchards; runoff from glass and electronics production wastes
10. Barium	N	2019	.1745	.0832 - .1745	ppm	2	2	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
14. Copper	N	2015/17*	.3	0	ppm	1.3	AL=1.3	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives

16. Fluoride	N	2019	.106	No Range	ppm	4	4	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories
17. Lead	N	2015/17*	1	0	ppb	0	AL=15	Corrosion of household plumbing systems, erosion of natural deposits
Disinfection By-Products								
81. HAA5	N	2019	11	No Range	ppb	0	60	By-Product of drinking water disinfection.
Chlorine	N	2019	1.6	.6 – 2.2	mg/l	0	MRDL = 4	Water additive used to control microbes
Unregulated Contaminants								
Sodium	N	2019	37000	23000 - 37000	PPB	NONE	NONE	Road Salt, Water Treatment Chemicals, Water Softeners and Sewage Effluents.

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	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									
Disinfection By-Products																	
81. HAA5	N	2019	20	3 - 20	ppb	0	60	By-Product of drinking water disinfection.									
82. TTHM [Total trihalomethanes]	N	2019	2.14	No Range	ppb	0	80	By-product of drinking water chlorination.									
Chlorine	N	2019	1.4	.9 – 1.6	mg/l	0	MRDL = 4	Water additive used to control microbes									
Unregulated Contaminants																	
Sodium	N	2019	30000	28000 - 30000	PPB	NONE	NONE	Road Salt, Water Treatment Chemicals, Water Softeners and Sewage Effluents.									

PWS ID #: 0410039									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									
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	2018*	.0975	.0856 - .0975	ppm	2	2	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
14. Copper	N	2015/17*	.6	0	ppm	1.3	AL=1.3	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
16. Fluoride	N	2018*	.119	No Range	ppm	4	4	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories
17. Lead	N	2015/17*	0	0	ppb	0	AL=15	Corrosion of household plumbing systems, erosion of natural deposits
Disinfection By-Products								
81. HAA5	N	2019	10	No Range	ppb	0	60	By-Product of drinking water disinfection.
Chlorine	N	2019	1.1	.6 – 1.6	mg/l	0	MRDL = 4	Water additive used to control microbes
Unregulated Contaminants								
Sodium	N	2019	34000	27000 - 34000	PPB	NONE	NONE	Road Salt, Water Treatment Chemicals, Water Softeners and Sewage Effluents.

* Most recent sample. No sample required for 2019.

Disinfection By-Products:

Chlorine. Some people who use water containing chlorine well in excess of the MRDL could experience irritating effects to their eyes and nose. Some people who drink water containing chlorine well in excess of the MRDL could experience stomach discomfort.

During October 2019 on System # 410032, we received a Chlorine Monitoring Violation. The sample did not have date placed on the sample card, was not notified till following month, was too late to resample during October.

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 2019 MRWA completed a 250 GPM well and 21 miles of new water line. We are currently finishing up all remaining creek bores, started with 27 have 5 left.

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

MOOREVILLE WATER SUPPLY

FOR SERVICE AT 114 DRIVE 1355
RT/ACCT/SUB CUSTOMER NO
2/19500-0 525
BILL DATE STAT DATE DUE

2020 MAY 11 AM 11:48

04/24/20 A 05/15/20
DATE READ DAYS SERVICE FROM SERVICE TO

PLEASE PUR CUSTOMER NO
2/19500-0 525

04/14/20 32 03/13/20 04/14/20
PREVIOUS PRESENT USAGE CODE AMOUNT
881950 584574 2614 WTR 16.00

DATE DUE
05/15/2020

PREVIOUS PRESENT
16.00 1.60 17.60

PLEASE PRINT ENCLOSE BILL WHEN MAKING PAYMENT IF PAYING BY MAIL.
ENCLOSE THIS STUB WITH CHECK, CANCELLED CHECK IS YOUR RECEIPT.

[http://ocrwater.net/
moorevillerichmond-69084](http://ocrwater.net/moorevillerichmond-69084)

IF PAID ON TIME SAVE THIS PENALTY AFTER 15th DAY
16.00 1.60 17.60
UTILITY BILL IS PAYABLE BY DATE DUE.

TONY WHITE
114 DRIVE 1355
MOOREVILLE, MS 38857-9747

