

2021 JUN 17 AM 7:56



MISSISSIPPI STATE DEPARTMENT OF HEALTH

**2020 CERTIFICATION****Consumer Confidence Report (CCR)****SHIVERS WJA**

Public Water System Name

**0640021**

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
<input checked="" type="checkbox"/> Advertisement in local paper (Attach copy of advertisement) <b>ON CCR IN PAPER</b>	<b>6-9-21</b>
<input type="checkbox"/> On water bills (Attach copy of bill)	
<input type="checkbox"/> Email message (Email the message to the address below)	
<input type="checkbox"/> Other _____	
DIRECT DELIVERY METHOD (Attach copy of publication, water bill or other)	DATE ISSUED
<input type="checkbox"/> Distributed via U. S. Postal Mail	
<input type="checkbox"/> Distributed via E-Mail as a URL (Provide Direct URL): _____	
<input type="checkbox"/> Distributed via E-Mail as an attachment	
<input type="checkbox"/> Distributed via E-Mail as text within the body of email message	
<input checked="" type="checkbox"/> Published in local newspaper (attach copy of published CCR or proof of publication)	<b>6-9-21</b>
<input checked="" type="checkbox"/> Posted in public places (attach list of locations) <b>SHIVERS WJA OFFICE</b>	<b>6-9-21</b>
<input type="checkbox"/> Posted online at the following address (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 MSDH, Bureau of Public Water Supply.

**Bobby Selman**  
Name

**OPERATOR**  
Title

**6-9-21**  
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](mailto:water.reports@msdh.ms.gov)

**Fax:** (601) 576-7800

**(NOT PREFERRED)**

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

2020 Annual Drinking Water Quality Report  
**SHIVERS WATER ASSOCIATION**  
**PWS ID #640021**  
**JUNE 3, 2021**

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 is from three wells pumping water from the Citronelle Formation Aquifer.

Our source assessment has been completed and it shows our wells have a moderate susceptibility to contamination.

I'm pleased to report that our drinking water meets all federal and state requirements.

This report shows our water quality and what it means.

If you have any questions about this report or concerning your water utility, please contact Bobby Selman at 601-455-2791. 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 first Thursday of every month at 1716 Shivers Road, Pinola Ms. 39149.

Shivers Water Association routinely monitors 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<sup>st</sup>, 2020. 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:

**Non-Detects (ND)** - laboratory analysis indicates that the constituent is not present.

**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.

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

**Treatment Technique (TT)** - A treatment technique is a required process intended to reduce the level of a contaminant in drinking water.

**Maximum Contaminant Level** - 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** - 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>Disinfectants &amp; Disinfection By-Products</b> (There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.)								
Chlorine (as CL2)	N	2020	1.20 (RAA) Running Annual Average	1.10-low  1.30-high	ppm	4.0	4.0	Water additive used to control microbes
<b>Radioactive Contaminants</b>								
5.Alpha emitters	N	3-22-2012*	4.9	NO RANGE	PCi/l	0	15	Erosion of natural deposits
<b>Inorganic Contaminants</b>								
8. Arsenic	N	09/04/2018	0.0013	NO RANGE	ppm	.n/a	.010	Erosion of natural deposits; runoff from orchards; runoff from glass and electronics production wastes
10. Barium	N	09/04/2018 09/04/2018	0.0182 0.0211	0	ppm	2	2	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
14.Copper	N	10/06/2020	0.0	0	ppm	1.3	AL-1.3	Corrosion of household plumbing systems ;erosion of natural deposits ;leaching from wood preservatives
17. Lead	N	10/06/2020	1.0	0	ppb	0	AL-15	Corrosion of household plumbing systems, erosion of natural deposits
19.Nitrate	N	05/11/2020	1.02	No Range	ppm	10	10	Runoff from Fertilizer use; leaching from septic tank sewage ; erosion from natural deposits
20. Sodium	N	2019*	52000	3200-low 52000-high	ppb		250000	Erosion of Natural Deposits;Leac hing
<b>Volatile Organic Contaminants</b>								
73.HAA5	N	2020	3.0	0	ppb	0	60	By-product of drinking water chlorination

\*Most Recent Samples

**Unregulated Contaminants:**

Germanium	6 ug/l
Manganese	10 ug/l
HAA6Br	2.5ug/l
HAA9	5.5ug/l
Bromide	20 ppb

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.

**Radioactive Contaminants:**

(5) Alpha emitters. Certain minerals are radioactive and may emit a form of radiation known as alpha radiation. Some people who drink water containing alpha emitters in excess of the MCL over many years may have an increased risk of getting cancer.

**Inorganic Contaminants:**

(10) Barium. Some people who drink water containing barium in excess of the MCL over many years could experience an increase in their blood pressure.

(17) Lead. Infants and children who drink water containing lead in excess of the action level could experience delays in their physical or mental development. Children could show slight deficits in attention span and learning abilities. Adults who drink this water over many years could develop kidney problems or high blood pressure.

(19) Nitrate. Infants below the age of six months who drink water containing nitrate in excess of the MCL could become seriously ill and, if untreated, may die.

(20) Sodium. Likely Source of Contamination-Road Salt, Water Treatment Chemicals, Water Softeners, and Sewage Effluent.

**Volatile Organic Contaminants:**

(73)HAA5 s Some people who drink water containing trihalomethanes in excess of the MCL over many years may experience problems with liver ,kidneys ,or central nervous systems ,and may have an increased risk of getting cancer.

\*\*\*\*\* 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. Shivers Water Association 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 for \$10 per sample. Please contact 601.576.7582 if you wish to have your water tested.

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

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).

To comply with the "Regulation Governing Fluoridation of Community Water Supplies", MS0640021, Shivers Water Association is required to report certain results pertaining to fluoridation of our water system. The number of months in the previous calendar year that average fluoride results were within the optimal range of 0.6-1.2 ppm was 12. The percentage of fluoride samples collected in the previous calendar year that was within the optimal range of 0.6-1.2 ppm was 100 %.

Shivers Water Association would like to start a data bank with member telephone numbers so that we would be able to call members during an emergency. Please call the office and give the secretary your telephone number if you would like to participate.

This CCR Report will not be delivered by mail but you may obtain a copy at the Shivers Water Association Office.

# 2020 Annual Drinking Water Quality Report SHIVERS WATER ASSOCIATION • PWS ID #640021 • JUNE 3, 2021

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 is from three wells pumping water from the Citronelle Formation Aquifer. Our source assessment has been completed and it shows our wells have a moderate susceptibility to contamination. I'm pleased to report that our drinking water meets all federal and state requirements.

This report shows our water quality and what it means. If you have any questions about this report or concerning your water utility, please contact Bobby Selman at 601-455-2791. 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 first Thursday of every month at 1716 Shivers Road, Pinola Ms. 39149. Shivers Water Association routinely monitors 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 31st, 2020. 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:

**Non-Detects (ND)** - laboratory analysis indicates that the constituent is not present.  
**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.  
**Action Level** - the concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.  
**Treatment Technique (TT)** - A treatment technique is a required process intended to reduce the level of a contaminant in drinking water.  
**Maximum Contaminant Level** - 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** - The MCLG (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>Disinfectants &amp; Disinfection By-Products</b> (There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.)								
Chlorine (as CL2)	N	2020	1.20 (RAA) Running Annual Average	1.10-low 1.30-high	ppm	4.0	4.0	Water additive used to control microbes
<b>Radioactive Contaminants</b>								
5. Alpha emitters	N	3-23-2012*	4.9	NO RANGE	PCU	0	15	Erosion of natural deposits
<b>Inorganic Contaminants</b>								
8. Arsenic	N	09/04/2018	0.0015	NO RANGE	ppm	N/A	.010	Erosion of natural deposits; runoff from orchards; runoff from glass and electronics production wastes
10. Barium	N	09/04/2018 09/04/2018	0.0182 0.0211	0	ppm	2	2	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
14. Copper	N	10/06/2020	0.0	0	ppm	1.3	AL-1.5	Corrosion of household plumbing systems; erosion of natural deposits leaching from wood preservatives
17. Lead	N	10/06/2020	1.0	0	ppb	0	AL-15	Corrosion of household plumbing systems; erosion of natural deposits
19. Nitrate	N	05/11/2020	1.02	No Range	ppm	10	10	Runoff from fertilizer use; leaching from septic tank sewage; erosion from natural deposits
20. Sodium	N	2019*	52000	5200-low 52000-high	ppb		250000	Erosion of Natural Deposits; Leaching
<b>Volatile Organic Contaminants</b>								
73. HAA5	N	2020	8.0	0	ppb	0	60	By-product of drinking water chlorination

\* Most Recent Samples

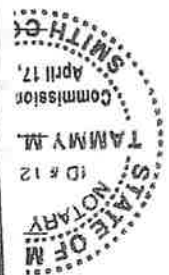
1.000 for Publication : S

Total Cost: \$ 515.00

THIS IS NOT A STATEMENT

Notary  
resaid  
she is  
ws a  
and  
ice, a  
said

2021.  
2021.  
2021.  
2021.  
021.  
021.



Mahee Library  
in to discuss a book  
welcome. Call

# PROOF OF PUBLICATION

THE STATE OF MISSISSIPPI  
COUNTY OF SIMPSON

Personally appeared before me, the undersigned Notary Public, in and for the County and State aforesaid Marsha Bratches who being by me duly sworn states on oath, that she is Legal Clerk of Simpson County News a newspaper published in the City of Mendenhall, State and County aforesaid, and that the publication of the notice, a copy of which is hereto attached, has been made in said paper 1 times, as follows:

In Vol. 150 No. 15 Date 10 day of June 2021.

In Vol. \_\_\_\_\_ No. \_\_\_\_\_ Date \_\_\_\_\_ day of \_\_\_\_\_ 2021.

In Vol. \_\_\_\_\_ No. \_\_\_\_\_ Date \_\_\_\_\_ day of \_\_\_\_\_ 2021.

In Vol. \_\_\_\_\_ No. \_\_\_\_\_ Date \_\_\_\_\_ day of \_\_\_\_\_ 2021.

In Vol. \_\_\_\_\_ No. \_\_\_\_\_ Date \_\_\_\_\_ day of \_\_\_\_\_ 2021.

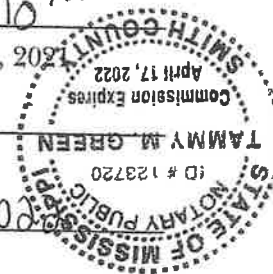
In Vol. \_\_\_\_\_ No. \_\_\_\_\_ Date \_\_\_\_\_ day of \_\_\_\_\_ 2021.

Signed Marsha Bratches

Sworn to and subscribed before me, this 10<sup>th</sup> day of June, 2021.

Tammy Green  
Notary Public

My Commission Expires: April 17, 2022



Run AS A 4x15 Ad  
No. words \_\_\_\_\_ at \_\_\_\_\_ cts. Total \$ 515.00

Proof of Publication : \$ \_\_\_\_\_

Total Cost: \$ 515.00

THIS IS NOT A STATEMENT