

# 2017 CERTIFICATION

## Consumer Confidence Report (CCR)

RECEIVED-WATER SUPPLY

2018 JUN 25 AM 9:43

SHIVERS W/A

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. **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 \_\_\_\_\_

Date(s) customers were informed: 6 / 14 / 2018 / / / 2018

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: \_\_\_\_\_ / \_\_\_\_\_ / 2018

As a URL \_\_\_\_\_ *(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: SIMPSON COUNTY NEWS

Date Published: 6 / 14 / 2018

CCR was posted in public places. *(Attach list of locations)*

SHIVERS W/A OFFICE

Date Posted: 6 / 14 / 2018

CCR was posted on a publicly accessible internet site 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 Mississippi State Department of Health, Bureau of Public Water Supply

Bobby Selma / OPERATOR

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

6-24-2018

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:** water.reports@msdh.ms.gov

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

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

**CCR Deadline to MSDH & Customers by July 1, 2018!**

2017 Annual Drinking Water Quality Report  
**SHIVERS WATER ASSOCIATION**

PWS ID #640021

JUNE 5, 2018

CORRECTED COPY

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 Brenda Newsome at 847-2342. 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>, 2017. 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.

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**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 CL <sub>2</sub> )	N	2017	1.20 (RAA) Running Annual Average	1.0-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>								
10. Barium	N	12/13/16*	0.0194	0	ppm	2	2	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
14.Copper	N	8/30/14*	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	8/30/14*	1.0	0	ppb	0	AL=15	Corrosion of household plumbing systems, erosion of natural deposits
19.Nitrate	N	03-27-2017 03-27-2017	1.29 1.30	No Range	ppm	10	10	Runoff from Fertilizer use; leaching from septic tank scwage ; erosion from natural deposits

\*Most Recent Sample

**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.

**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 0.7-1.3 ppm was 12. The percentage of fluoride samples collected in the previous calendar year that was within the optimal range of 0.7-1.3 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.

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2017 Annual Drinking Water Quality Report  
**SHIVERS WATER ASSOCIATION**  
PWS ID #640021  
JUNE 5, 2018

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# 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 Munsha 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. 146 No. 16 Date 14 day of June 2018.

In Vol. \_\_\_\_\_ No. \_\_\_\_\_ Date \_\_\_\_\_ day of \_\_\_\_\_ 2018.

In Vol. \_\_\_\_\_ No. \_\_\_\_\_ Date \_\_\_\_\_ day of \_\_\_\_\_ 2018.

In Vol. \_\_\_\_\_ No. \_\_\_\_\_ Date \_\_\_\_\_ day of \_\_\_\_\_ 2018.

In Vol. \_\_\_\_\_ No. \_\_\_\_\_ Date \_\_\_\_\_ day of \_\_\_\_\_ 2018.

In Vol. \_\_\_\_\_ No. \_\_\_\_\_ Date \_\_\_\_\_ day of \_\_\_\_\_ 2018.

Signed Munsha Bratches

Sworn to and subscribed before me, this 14th day of June 2018.

Nancy O. Brown  
Notary Public

My Commission Expires: \_\_\_\_\_



RAN AS A black Ad

No. words \_\_\_\_\_ at \_\_\_\_\_ cts. Total \$ 515.00

Proof of Publication : \$ 300

Total Cost: \$ 518.00



# Fathers to be honored June 17 at Rials Creek

Father's Day will be special on Sunday, June 17, when we will recognize and honor our fathers. Plan to join us for this special service. There will be no evening service.

Members of the Solomon Brown family enjoyed their annual reunion at Rials Creek on June 3 after the morning service. Pastor Buddy Bayliss gave the blessing for the meal. Highlights of the 2017 meeting were shared. Gifts were given to the youngest of the group, who was Knox Brown, infant son of Bryce and Merrill Brown, grandson of Marsha and Gerald Brown. The wisest and most seasoned of our family was Frances Welch. The family traveling the longest distance was Shirley, Cerra, and Jason Brown. President Darrell Welch called the names of the family members who have passed since the last meeting. A time of silence honored Donnie Brown, Steven Grayson, Dorothy Welch, Donna Sullivan, and Dolie Toacy, who are dearly missed. Gerald Brown made a motion with

## RIALS CREEK NEWS



**Barbara Fuller**

(Carmichael) family (Buddy Stewart's sister who passed following a long illness—prayers to all her family), Gerrie McNaughton, our Aunt Peggy Kennedy, Gary Foster, Jo Ann Foster, the John Everett family, Mary May, Frank McCain, Jeff Meadows, Robert (Rabbit) Williams and Ruby Williams, travelers, Gideons, Bro. Buddy Bayliss and Verna, Jennifer Craft, Ruth Gehrig, Kay Arnold, Jean May, Frank Mullins, Mike Robinson, Trish Myers, Bill and Nola Shirley, Violet Brown, Eva Jean Hinton, Elizabeth Foster, Nattalie Morgan, Amanda Saulters and her family, our Methodist Church and pastors as some pastors are assigned to new churches on July 1. Della Brown, unspoken requests, Virginia Rickels, Peggy Bryan, Mauri Bryan Sims and family, our military and their

Himself, we cannot give a holier name." "What a father teaches his children, he also teaches their children." "The strongest need in childhood is the need for a father's protection and love." "A father doesn't have to tell how to live. He lives and lets his children watch." "A father gives the greatest gift any one can give another—he believes in each child." Happy Father's Day to all fathers!

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### TEST RESULTS

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<b>Disinfectants &amp; Disinfection By-Products</b> (There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants)								

reunion report.)  
 Our Vacation Bible School was a great success because of God's blessings and the preparation by our teachers and helpers. Shivers thanks to all, especially Vera Bayliss for her great donations. Focusing on the message "Shipwrecked: Saved by Jesus," our children enjoyed lessons, recreation, crafts, songs, all of which reminded us that Jesus is always near in whatever situation we are in. Sincere thanks, also, to all who furnished and prepared the meals each evening. The closing program was awesome with an ice cream social afterward.

Bro. Buddy Bayliss in his Children's Minutes on June 3 told the children we have a friend in Jesus who forgives us as many times as there are sands on the beach. God promises to forgive us and helps us not to sin any more. God has a purpose for each of us and will help prepare us for that purpose.

Bro. Buddy's message centered on the truth that although many must work on the Sabbath, we must set aside some time during the week to keep God holy by pausing, stopping our world's busyness, talking with God, and listening to Him. Please remember these in your prayers: the Mavis Mitchell

cers and their families. "Happy Birthday" was sung to Brynda Bridges, Tenelia Frier, and Ruby Williams. We wish each of you many more blessed birthdays.

Our older MYF youth are enjoying "Xtreme Summer" this week in Panama City. Prayers for them as they travel and worship with other youth, drawing closer to Jesus. Aubrey and Kim Russell recently celebrated their anniversary. Happy blessed anniversary to both of you.

The Men's Club will meet on Sunday, June 17, at 8:00 in the Family Life Center for their monthly breakfast meeting. All men are invited to join them.

The "Forever Young" group will enjoy a trip to the new Mississippi Museum of History in Jackson on Thursday, June 28. All are invited to join us. We will leave the church at 8:15. The museum fee for senior adults is \$6.

Operation Christmas Child is collecting small games, puzzles, harmonicas, flashlights with extra batteries, and jump ropes for the month of June. Thank you for placing your donations in the box in the foyer.

**THOUGHT FOR THE WEEK** — Quotes in honor of Father's Day: "One father is more influential than one hundred school teachers"; "Father, to God

10. Barium	N	12/18/16'	0.0194	0	ppm	2	3	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
14. Copper	N	8/30/14'	0.10	0 <td>ppm</td> <td>1.3</td> <td>AL-13</td> <td>Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives</td>	ppm	1.3	AL-13	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
15. Lead	N	8/30/14'	10.0	0 <td>ppb</td> <td>0</td> <td>AL-15</td> <td>Corrosion of household plumbing systems; erosion of natural deposits</td>	ppb	0	AL-15	Corrosion of household plumbing systems; erosion of natural deposits
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• **Most Recent Sample**

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(7) PMA5. Some people who drink water containing trichloroethanes 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 801-576-7582 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", the 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 0.7-1.3 ppm was 12. The percentage of fluoride samples collected in the previous calendar year that was within the optimal range of 0.7-1.3 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 secondary 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.