

# 2019 CERTIFICATION

2020 JUN 11 AM 9:17

## Consumer Confidence Report (CCR)

Poplar Springs Water Association  
Public Water System Name

#070016 #070024

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: \_\_\_ / \_\_\_ / 2020 / \_\_\_ / 2020 / \_\_\_ / 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 \_\_\_\_\_ *(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: The Calhoun County Journal  
Date Published: 6/2/2020
- CCR was posted in public places. *(Attach list of locations)* Date Posted: \_\_\_ / \_\_\_ / 2020
- 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

Darlene Hardin - Bookkeeper

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

6-8-20

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](mailto: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, 2020!**



### Inorganic Contaminants

8. Arsenic	N	2018*	1.7	No Range	ppb	n/a	10	Erosion of natural deposits; runoff from orchards; runoff from glass and electronics production wastes
10. Barium	N	2018*	.0352	.0344 - .0372	ppm	2	2	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
13. Chromium	N	2018*	7.4	7 - 7.4	ppb	100	100	Discharge from steel and pulp mills; erosion of natural deposits
14. Copper	N	2015/17*	.2	0	ppm	1.3	AL=1.3	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
15. Cyanide	N	2018*	16	No Range	ppb	200	200	Discharge from steel/metal factories; discharge from plastic and fertilizer factories
16. Fluoride	N	2018*	.957	.953 - .957	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
21. Selenium	N	2018*	2.7	2.6 - 2.7	ppb	50	50	Discharge from petroleum and metal refineries; erosion of natural deposits, discharge from mines

### Disinfection By-Products

82. TTHM [Total trihalomethanes]	N	2019	1.67	No Range	ppb	0	80	By-product of drinking water chlorination.
Chlorine	N	2019	.5	.4 - .6	ppm	0	MDRL = 4	Water additive used to control microbes

### Unregulated Contaminants

Sodium	N	2019	250000	240000 - 250000	PPB	NONE	NONE	Road Salt, Water Treatment Chemicals, Water Softeners and Sewage Effluents.
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### PWS ID #0070024

### 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>Inorganic Contaminants</b>								
8. Arsenic	N	2018*	3.3	No Range	ppb	n/a	10	Erosion of natural deposits; runoff from orchards; runoff from glass and electronics production wastes
10. Barium	N	2018*	0.1847	No Range	ppm	2	2	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
13. Chromium	N	2018*	3.3	No Range	ppb	100	100	Discharge from steel and pulp mills; erosion of natural deposits
14. Copper	N	2015/17*	.2	0	ppm	1.3	AL=1.3	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
16. Fluoride	N	2018*	.185	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*	5	0	ppb	0	AL=15	Corrosion of household plumbing systems, erosion of natural deposits

## Disinfection By-Products

Chlorine	N	2019	.6	.4 – .6	ppm	0	MDRL = 4	Water additive used to control microbes
<b>Unregulated Contaminants</b>								
Sodium	N	2019	250000	No Range	PPB	NONE	NONE	Road Salt, Water Treatment Chemicals, Water Softeners and Sewage Effluents.

\* Most recent sample. No sample required for 2019.

As you can see by the table, our system had no contaminant violations. We're proud that your drinking water meets or exceeds all Federal and State requirements. We have learned through our monitoring and testing that some contaminants have been detected however the EPA has determined that your water IS SAFE at these levels.

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. We did complete the monitoring requirements for bacteriological sampling that showed no coliform present. 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 microbiological contaminants are available from the Safe Drinking Water Hotline 1.800.426.4791.

The Poplar Springs 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.

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 continuously improve the water treatment process and protect our water resources. We are committed to ensuring the quality of your water.

Our water supply is from wells drawing from the Gentle Formation 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 Poplar Springs Water Association have received lower susceptibility rankings to contamination.

If you have any questions about this report or concerning your water utility, please contact Charles Mahan at 602.282.7747. We want our valued customers to be informed about their water utility. If you want to learn more, please attend the meeting scheduled for August 24, 2020 at 7:00 PM at the Vandenberg Community Center.

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 1<sup>st</sup> to December 31<sup>st</sup>, 2019. In cases where monitoring wasn't required in 2019, the table reflects the most recent results. As water flows 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 residential uses, organic chemical contaminants, including synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum production, and can also derive 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 to 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.

PWS ID#0070016		TEST RESULTS							Unit Measure	MCLG	MCL	Likely Source of Contamination
Contaminant	Violation Y/N	Date Collected	Level Detected	Range of Detects or # of Samples Exceeding MCL/MCL	Unit Measure	MCLG	MCL					

Inorganic Contaminants											
8. Arsenic	N	2019*	1.7	No Range	ppb	7.0	10	Emission of natural deposits; runoff from roads; runoff from streets and stormwater production wastes			
10. Barium	N	2019*	0.360	0.044 - 0.372	ppm	1	2	Discharge of drilling wastes; discharge from road runoff; erosion of natural deposits			
13. Chromium	N	2019*	7.4	7 - 7.4	ppb	100	100	Discharge from steel and pulp mills; erosion of natural deposits			
14. Copper	N	2019/17*	2	0	ppm	1.5	AL=1.5	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives			
18. Cyanide	N	2019*	50	No Range	ppm	200	200	Discharge from electrical facilities; discharge from plastic and textile factories			
16. Fluoride	N	2019*	902	100 - 900	ppm	4	4	Emission of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum facilities			
17. Lead	N	2019/17*	1	0	ppm	5	AL=15	Corrosion of household plumbing systems; erosion of natural deposits			
21. Selenium	N	2019*	2.7	2.6 - 2.7	ppb	50	60	Discharge from petroleum and metal refineries; erosion of natural deposits; discharge from mines			

Disinfection By-Products											
82. Trihalo Methylmethanes	N	2019	1.67	No Range	ppm	0	30	By-product of drinking water chlorination			
Chlorine	N	2019	3	1 - 3	ppm	0	MORL=4	Water additive used to control microbes			

Unregulated Contaminants											
Sodium	N	2019	216000	240000 - 200000	ppm	NONE	NONE	Road Salt, Water Treatment Chemicals, Water Softeners and Seawater Effluent			

PWS ID #0070024		TEST RESULTS							Unit Measure	MCLG	MCL	Likely Source of Contamination
Contaminant	Violation Y/N	Date Collected	Level Detected	Range of Detects or # of Samples Exceeding MCL/MCL	Unit Measure	MCLG	MCL					

Inorganic Contaminants											
8. Arsenic	N	2019*	3.3	No Range	ppb	7.0	10	Emission of natural deposits; runoff from roads; runoff from streets and stormwater production wastes			
10. Barium	N	2019*	0.1027	No Range	ppm	1	2	Discharge of drilling wastes; discharge from road runoff; erosion of natural deposits			
13. Chromium	N	2019*	3.3	No Range	ppb	100	100	Discharge from steel and pulp mills; erosion of natural deposits			
14. Copper	N	2019/17*	2	0	ppm	1.5	AL=1.5	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives			
18. Cyanide	N	2019*	185	No Range	ppm	200	200	Discharge from electrical facilities; discharge from plastic and textile factories			
17. Lead	N	2019/17*	5	0	ppm	5	AL=15	Corrosion of household plumbing systems; erosion of natural deposits			

602-612-0120  
 THE PWSID'S: 070016 & 070024  
 PHYSICIANS NATURAL  
 1-855-584-8517  
 dental50plus.com/m/press

