

2019 CERTIFICATION

2020 JUN 26 AM 8:19

Consumer Confidence Report (CCR)

City of Mound Bayou
Public Water System Name

0060013

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: 6/17/2020 / / /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: Bolivar Bullet

Date Published: 6/17/2020

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

Teresa Brown, Clerk

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

6/25/2020

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: 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!

2019 Annual Drinking Water Quality Report
City of Mound Bayou
PWS ID# 0060013
June 2020

We are pleased to present to you this year's Annual Drinking Water Quality Report. This report is a snapshot of last year's water quality. Included are details about from where your water comes, what it contains, and how it compares to standards set by regulatory agencies. 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 and to providing you with this information, because informed customers are our best allies. Our water source is groundwater. Our wells draw from the Winona, Tallahatta and Sparta Aquifers.

A Source Water Assessment has been completed for our public water system to determine the overall susceptibility of the drinking water supply and to identify potential sources of contamination. The general susceptibility rankings assigned to each well of this system are provided immediately below. A report containing detailed information on how the susceptibility determinations were made has been furnished to our public water supply and is available upon request. The wells for The City of Mound Bayou have received moderate susceptibility rankings to contamination.

If you have any questions about this report or concerning your water, please contact Mayor Peterson at 662-741-2193. 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 at 5:30 P.M. on the 1st Tuesday of each month at city hall.

We routinely monitor for over 150 contaminants in your drinking water according to Federal and State laws. The table below lists all the drinking water contaminants that we detected in the last round of sampling for the particular contaminant group. Unless otherwise noted, the data presented in this table is from testing done January 1 through December 31, (2019). As water travels over the surface of the land or through the ground, it dissolves naturally-occurring minerals and, in some cases, radioactive material, and can pick up substances resulting from the presence of animals or from human activity. All drinking water, including bottled water may be reasonably expected to contain at least small amounts of some constituents. The presence of contaminants does not necessarily indicate that 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:

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 (ug/L) - One part per billion corresponds to one minute in 2,000 years, or a single penny in \$10,000,000.

Action Level (AL) - The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.

Maximum Contaminant Level (MCL) - 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 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

Inorganic Contaminants

Contaminant (units)	Sample Date	MCL Violation Y/N	Your Water	Range Low High	MCLG	MCL	Likely Source of Contamination
Barium (ppm)	*2018	N	0.0188	No Range	2	2	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
Fluoride (ppm)	*2018	N	0.351	0.349-0.351	4	4	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories
Chromium (ppb)	*2018	N	0.0041	NO RANGE	100	100	Discharge from steel and pulp mills; erosion of natural deposits

Lead and Copper Contaminants

Contaminant (units)	Sample Date	Your Water	# of sites found above the AL	MCLG	MCL	Likely Source of Contamination
Copper (ppm) (90 th percentile)	2017-2019	0.2	0	1.3	AL=1.3	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
Lead (ppb) (90 th percentile)	2017 - 2019	3	0	0	AL=15	Corrosion of household plumbing systems, erosion of natural deposits

Disinfectants and Disinfection Byproducts Contaminants

Contaminant (units)	Sample Date	MCL Violation Y/N	Your Water	Range of detects	MCLG/MCL	Likely Source of Contamination
TTHM (ppb) [Total Trihalomethanes]	2019	N	29.2	3.04-29.2	0 / 80	By-product of drinking water chlorination
HAA5 (ppb) [Total Haloacetic Acids]	*2017	N	14	No Range	0 / 60	By-product of drinking water chlorination
Chlorine (ppm)	2019	N	0.50	0.30-0.54	0 / MRDL =4	Water additive used to control microbes

Unregulated Contaminants

Contaminant (units)	Sample Date	MCL Violation Y/N	Your Water	Range Low High	MCLG	MCL	Likely Source of Contamination
Sodium (ppb)	2019	N	130000	NO RANGE	None	None	Road Salt, Water treatment Chemicals, Water Softeners and Sewage Effluents

*Most Recent Sample. No sample required for 2019

GROUNDWATER RULE TREATMENT TECHNIQUE (TT)

TT Violation	Explanation	Duration of Violation	Corrective Actions	Health Effects Language
Ground Water Rule	Failure to Address Deficiency	09/2016-12/2018	The system has completed corrective actions and is no longer in violation of this rule.	Inadequately treated water may contain disease causing organisms. These organisms include bacteria, viruses, and parasites, which can cause symptoms such as nausea, cramps, diarrhea, and headaches.

Significant Deficiency

During a sanitary survey conducted on 1/13/2019, the Mississippi State Department of Health cited the following significant deficiency: Capacity of Pumps.

Corrective actions: This system is currently under a Bilateral Compliance Agreement to have the deficiency corrected by 5/7/2020.

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 samples prior to the end of the monitoring 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. The City of Mound Bayou 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 Laboratory offers lead testing for \$10 per sample. Please contact 601.576.7582 if you wish to have your water tested.

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 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 (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).

The City of Mound Bayou is working hard 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.

2019 Annual Drinking Water Quality Report

City of Mound Bayou

PWS ID# 0060013

June 2020

We are pleased to present to you this year's Annual Drinking Water Quality Report. This report is a snapshot of last year's water quality, includes details about how, where your water comes from, what's contained in it, and how it compares to standards set by regulatory agencies. 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 and to providing you with all information, because informed customers are our best allies. Our water source is ground water. Our wells draw from the Wilcox, Tallahatta and Sparta Aquifers.

A Source Water Assessment has been completed for our public water system to determine the overall susceptibility of the drinking water supply and to identify potential sources of contamination. The general susceptibility rankings assigned to each well in this system are provided immediately below. A report containing detailed information on how the susceptibility determinations were made has been furnished to our public water supply and is available upon request. Well No. 105 in the City of Mound Bayou has the lowest water susceptibility ranking of any well in the system.

If you have any questions about this report or concerning your water, please contact Mayor Peterson at 662-741-2199. We want our valued customers to be informed about their water quality. If you want to learn more, please attend any of our regularly scheduled meetings. They are held at 5:30 P.M. on the 1st Tuesday of each month at city hall.

We routinely monitor for over 150 contaminants in your drinking water according to Federal and State laws. A table below lists all the drinking water contaminants that we detected in the last round of sampling for the particular contaminant group. Unless otherwise noted, the data presented in this table is from testing done January 1 through September 30, 2019. As water travels over the surface of the land or through the ground, it dissolves naturally occurring minerals and, in some cases, radioactive material, and can pick up substances resulting from the presence of animals or human activity. All drinking water, including bottled water, may be reasonably expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that 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:

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Contaminant Class	Sample No.	Sample Date	Sample Location	MCLG	MCL	Action Level	Maximum Contaminant Level
Inorganic Compounds	105	01/01/19	Well No. 105	None	None	None	None

Contaminant Class	Sample No.	Sample Date	Sample Location	MCLG	MCL	Action Level	Maximum Contaminant Level
Organic Compounds	105	01/01/19	Well No. 105	None	None	None	None

Contaminant Class	Sample No.	Sample Date	Sample Location	MCLG	MCL	Action Level	Maximum Contaminant Level
Radionuclides	105	01/01/19	Well No. 105	None	None	None	None

City of Mound Bayou	4019	N	MS	69003	69003-2	Water - Drinking Water - Contaminants
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Contaminant (units)	Sample Date	MSL Violation Y/N	Value	Range	MCLG	MCL	Likely Source of Contamination
Sodium (ppm)	2019	N	13000	NO RANGE	None	None	Hard salt water treatment chemical water softeners like seawater desalination

It Violates	Explanation	Priority of Violation	Corrective Actions	Health Effects & Guidance
Ground Water Rule	Failure to Address Drinking	Category 1 - Health	THE LOCAL HEALTH DEPARTMENT REQUESTS THAT YOU CONTACT THE LOCAL HEALTH DEPARTMENT FOR MORE INFORMATION ON THIS RISK.	Drinking water that contains elevated levels of sodium can cause health problems, especially for people with high blood pressure, heart disease, kidney disease, and other conditions. People with these conditions should consult their health care provider about the risks of drinking water with elevated sodium levels. People with these conditions should also consult their health care provider about the risks of drinking water with elevated sodium levels.

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Corrective actions: This system is currently under a Bilateral Compliance Agreement to have the deficiency corrected by 5/7/2020.

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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 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 (800-426-4791).

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