

2017 MAY 31 AM 12: 02

CERTIFICATION

Consumer Confidence Report (CCR)

City of Calhoun City Water Department
Public Water Supply Name

007 0004

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 to develop and distribute a Consumer Confidence Report (CCR) to its customers each year. Depending on the population served by the public water system, 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 mail, fax or email a copy of the CCR and Certification to 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 (MUST Email the message to the address below)

Other newspaper (on water bills)

Date(s) customers were informed: 5/10/17 / / , 6/1/17

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 (MUST Email MSDH a copy) Date Emailed: _____ / /

As a URL (Provide 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: Calhoun Co. Journal

Date Published: 5/10/17

CCR was posted in public places. *(Attach list of locations):* City Hall Date Posted: 5/10/17
Library

CCR was posted on a publicly accessible internet site at the following address **(DIRECT URL REQUIRED)**: _____

CERTIFICATION

I hereby certify that the Consumer Confidence Report (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 public water system officials by the Mississippi State Department of Health, Bureau of Public Water Supply

A.R. Dent
Name/Title (President, Mayor, Owner, etc.)

5/11/17
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

Fax: (601) 576 - 7800

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

CCR Deadline to MSDH & Customers by July 1, 2017!

2016 Annual Drinking Water Quality Report
 Calhoun City Water Department
 PWS#: 0070004
 April 2017

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 ensuring the quality of your water. Our water source is from wells drawing from the Gordo Formation Aquifer.

If you have any questions about this report or concerning your water utility, please contact Joseph Shane Cook at 662.983.8744. 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 Tuesday of each month at 6:30 PM at the Calhoun City- City Hall.

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 Calhoun City Water Department have received lower to moderate susceptibility rankings 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 we detected during the period of January 1st to December 31st, 2016. In cases where monitoring wasn't required in 2016, 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 constituents. It's important to remember that the presence of these constituents 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.

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
Radioactive Contaminants								
5. Gross Alpha	N	2012*	10	.4 - 10	pCi/L		0	15 Erosion of natural deposits
6. Radium 226 Radium 228	Y	2012*	5.1	No Range	pCi/l		0	5 Erosion of natural deposits
Inorganic Contaminants								
8. Arsenic	N	2015	2.4	1.4 - 2.4	ppb	n/a	50	Erosion of natural deposits; runoff from orchards; runoff from glass and electronics production wastes

10. Barium	N	2015*	.1585	.1521 - .1585	ppm	2	2	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
13. Chromium	N	2015*	4.6	4.2 - 4.6	ppb	100	100	Discharge from steel and pulp mills; erosion of natural deposits
14. Copper	N	2012/14*	.4	0	ppm	1.3	AL=1.3	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
16. Fluoride**	N	2015*	.295	.25 - 2.95	ppm	4	4	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories
17. Lead	N	2012/14*	3	0	ppb	0	AL=15	Corrosion of household plumbing systems, erosion of natural deposits
19. Nitrate (as Nitrogen)	N	2016	.1	No Range	ppm	10	10	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits
21. Selenium	N	2015*	5.6	No Range	ppb	50	50	Discharge from petroleum and metal refineries; erosion of natural deposits; discharge from mines

Disinfection By-Products

81. HAA5	N	2014*	1	No Range	ppb	0	60	By-Product of drinking water disinfection.
Chlorine	N	2016	.7	.4 - .9	Mg/l	0	MDRL = 4	Water additive used to control microbes

* Most recent sample. No sample required for 2016.

** Fluoride level is routinely adjusted to the MS State Dept of Health's recommended level of 0.7 - 1.3 mg/l.

We are required to monitor your drinking water for specific constituents 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.

To comply with the "Regulation Governing Fluoridation of Community Water Supplies", the City of Calhoun City is required to report certain results pertaining to fluoridation of our water system. The number of months in the previous calendar year in which average fluoride samples were within the optimal range of 0.7 - 1.3 ppm was 6. The percentage of fluoride samples collected in the previous calendar year that was within the optimal range of 0.7 - 1.3 ppm was 43%.

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 Calhoun City Water Department 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.

Please note: this report will not be mailed to the customers individually, however, a copy may be requested from Calhoun City - City Hall.

Calhoun City Water Association Drinking Water Quality Report

Proof Of Publication

STATE OF MISSISSIPPI,
COUNTY OF CALHOUN

Personally came before me, the undersigned, a Notary Public, in and for Calhoun County, Mississippi, Joel McNeece, Publisher of The Calhoun County Journal, a newspaper published in Bruce, Calhoun County, in said state, who being duly sworn, deposes and says that The Calhoun County Journal is a newspaper as defined and prescribed in Senate Bill No. 203 enacted at the regular session of the Mississippi Legislature of 1948, amending Section 1858 of the Mississippi Code of 1942, and the publication of a notice, of which annexed copy, in the matter of

CALHOUN CITY PUBLISHING WATER QUALITY REPORT

has been made in said newspaper one time, to-wit:

On the 10 day of MAY 2017

Joel McNeece

Joel McNeece
Publisher

Sworn to and subscribed before me, this 10 day
of MAY 2017.

Lisa Denley McNeece

Lisa Denley McNeece,
Notary Public



Commission expires March 28, 2018

2016 Annual Drinking Water Quality Report
Calhoun City Water Department
PWS# 0070004
April 2017

We're pleased to present to you this year's Annual Quality Water Report. This report is developed 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 effort 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 wells drawing from the Gordo Formation Aquifer.

If you have any questions about the report or concerning your water utility, please contact Joseph Ethane Cook at 862-933-8744. We want our valued customers to be informed about their water utility. If you want to learn more, please send any of our regular scheduled meetings. They are held on the first Tuesday of each month at 6:30 PM at the Calhoun City City Hall.

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 work for the Calhoun City Water Department has received lower to moderate susceptibility rankings 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 we monitor during the period of January 1st to December 31st, 2016. In cases where monitoring hasn't begun in 2016, the table reflects the most recent results. All 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. Contaminants, such as viruses and bacteria, that may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife; inorganic chemicals, 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 leaching; pesticides and herbicides, which may come from a variety of sources such as agriculture, urban storm-water runoff, and residential uses; organic chemicals, which may come from petroleum and volatile organic chemicals, which are by-products of industrial processes and petroleum production, and can also come from gas flaring and other sources; radon, a naturally occurring radioactive gas that may be present in groundwater; and disinfection by-products, which are formed by public water systems. All drinking water, including bottled drinking water, may be naturally occurring or contain at least small amounts of some constituents. It's important to remember that the presence of these constituents 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 MCLG as is 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 (µg/l) - one part per billion corresponds to one minute in 2,000 years, or a single penny in \$10,000,000.

TEST RESULTS									
Contaminant	Violation Y/N	Date Collected	Level Detected	Range of Detects or if Samples Exceeding MCL/MCLG	Unit Measure	MCLG	MCL	Action Level	Likely Source of Contamination
Radioactive Contaminants									
3. Gross Alpha	N	2016	10	4 - 10	pCi/l	0	0	15	Erosion of natural deposits
5. Radium 226	Y	2016	5.1	No Range	pCi/l	0	0	5	Erosion of natural deposits
5. Radium 228	Y	2016	5.1	No Range	pCi/l	0	0	5	Erosion of natural deposits
Inorganic Contaminants									
8. Arsenic	N	2016	2.4	1.4 - 2.4	ppb	n/a	10	50	Erosion of natural deposits; runoff from agriculture; runoff from glass and electronics production wastes
10. Barium	N	2016	1565	1521 - 1545	ppm	0	2	0	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
13. Chromium	N	2016	4.0	4.2 - 4.0	ppb	100	100	0	Discharge from steel and pulp mills; erosion of natural deposits
14. Copper	N	2016	4	0	ppm	1.3	AL=1.3	0	Corrosion of household plumbing systems; erosion of natural deposits; leaching from metal pipes
16. Fluoride	N	2016	2.90	2.5 - 2.90	ppm	4	4	4	Erosion of natural deposits; water additives which promote strong teeth; discharge from fertilizer and aluminum facilities
17. Lead	N	2016	0	0	ppb	0	AL=15	0	Corrosion of household plumbing systems; erosion of natural deposits
19. Nitrate (as Nitrogen)	N	2016	1	No Range	ppm	10	10	10	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits
21. Selenium	N	2016	0.0	No Range	ppb	50	50	50	Discharge from petroleum and metal refineries; erosion of natural deposits; discharge from mines
Disinfection By-Products									
11. HAA5	N	2016	1	No Range	ppb	0	0	60	By-product of drinking water disinfection
12. Trihalomethanes	N	2016	1	4 - 5	µg/l	0	MDRL=4.4	0	Water additives used to control microbes

Most recent sample. No sample required for 2016. Fluoride level is routinely adjusted to the MS State Dept of Health's recommended level of 0.7 - 1.3 mg/l.

We are required to monitor your drinking water for specific constituents 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 comply with monitoring requirements, MICHN 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, cooking, or when you can take to minimize exposure. If you are concerned about lead in your water, you may want to have your water tested. Information on lead in drinking water, testing procedures, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline at 1-800-426-4791 or www.epa.gov/lead. The Lead-Resistant Data Department of Health Public Health Laboratory offers lead testing. Please contact 201.876.7592 if you wish to have your water tested.

To comply with the TROUSQUAN Governing Fluoridation of Community Water Supplies, the City of Calhoun City is required to report certain results pertaining to fluoridation of our water system. The number of months in the previous calendar year in which average fluoride samples were within the optimal range of 0.7 - 1.3 ppm was 6. The percentage of fluoride samples collected in the previous calendar year that were within the optimal range of 0.7 - 1.3 ppm was 43%.

The sources of drinking water are subject to potential contamination by substances that are naturally occurring or man-made. These substances can be inorganic, 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/ACDC 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 Calhoun City Water Department works around the clock to provide top quality water to every tap. We ask that all of our customers help us protect our water sources, which are the heart of our community, our way of life and our children's future.

Please note: This report will not be mailed to the customers individually, however, a copy may be requested from Calhoun City, City Hall.

ACCOUNT NO.	SERVICE FROM	SERVICE TO
040654500	04/25	05/25
SERVICE ADDRESS		
105 HILL STREET		
CURRENT	METER READINGS	
	PREVIOUS	USED
8300	6000	2300
CHARGE FOR SERVICES		

RETURN THIS STUB WITH PAYMENT TO
CALHOUN CITY WATER DEPARTMENT
P.O. BOX E
CALHOUN CITY, MS 38916

UNSORTED
FIRST CLASS MAIL
U.S. POSTAGE
PAID
PERMIT NO. 26
CALHOUN CITY, MS

PAY NET AMOUNT ON OR BEFORE DUE DATE	DUE DATE	PAY GROSS AMOUNT AFTER 5:00 P.M. ON DUE DATE
	06/15/2017	
NET AMOUNT	SAVE THIS	GROSS AMOUNT
33.66	5.05	38.71

CCR REPORT AVAILABLE-CITY HALL

WTR 11.80
SWR 6.86
GRB 15.00
NET DUE >>> 33.66
SAVE THIS >> 5.05
GROSS DUE >> 38.71

RETURN SERVICE REQUESTED

040654500
QUAY WOLFE
105 HILL ST
CALHOUN CITY MS 38916-7719