

2019 APR 24 AM 4:48

# 2018 CERTIFICATION

## Consumer Confidence Report (CCR)

City of Carthage  
Public Water System Name

0400001

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: 04/23/2019 / / /2019 / / /2019

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: \_\_\_ / \_\_\_ /2019

- 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: \_\_\_\_\_

Date Published: \_\_\_ / \_\_\_ / \_\_\_

CCR was posted in public places. *(Attach list of locations)* Date Posted: 04/23/2019

CCR was posted on a publicly accessible internet site at the following address:

http://www.msarwa.org/2018ccr/carthage.pdf *(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.

Doreen Mestage City Clerk  
Name/Title *(Board President, Mayor, Owner, Chairman, Contract, etc.)*

4/23/19  
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, 2019!**

2018 Annual Drinking Water Quality Report **2019 APR -8 AM 8:44**  
 City of Carthage - PWS#:0400001  
 April 2019

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 three wells drawing from the Meridian Upper Wilcox Aquifer.

The source water assessment has been completed for our public water system to determine the overall susceptibility of its drinking water supply to identify 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 City of Carthage have received a lower susceptibility ranking to contamination.

If you have any questions about this report or concerning your water utility, please contact Robert D. Edgar at 601.540.7795. 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 Monday of each month at 6:00 PM at the City Hall Board Room, 212 West Main Street, Carthage, MS 39051.

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>, 2018. In cases where monitoring wasn't required in 2018, 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 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 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
<b>Inorganic Contaminants</b>								
10. Barium	N	2015*	.0026	.0022 - .0026	ppm	2	2	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
13. Chromium	N	2015*	1.2	1 - 1.2	ppb	100	100	Discharge from steel and pulp mills; erosion of natural deposits
14. Copper	N	2016/18	.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*	3.89	.275 - 3.89	ppm	4	4	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories

17. Lead	N	2016/18	2	0	ppb	0	AL=15	Corrosion of household plumbing systems, erosion of natural deposits
<b>Disinfection By-Products</b>								
81. HAA5	N	2015*	7	No Range	ppb	0	60	By-Product of drinking water disinfection.
82. TTHM [Total trihalomethanes]	N	2015*	10	No Range	ppb	0	80	By-product of drinking water chlorination.
Chlorine	N	2018	1	.9 – 1.4	mg/l	0	MDRL = 4	Water additive used to control microbes

\* Most recent sample. No sample required for 2018.

\*\* Fluoride level is routinely adjusted to the MS State Dept of Health's recommended level of 0.6 - 1.2 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", our water system 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 sample results were within the optimal range of 0.6-1.2 ppm was 9. The percentage of fluoride samples collected in the previous calendar year that was within the optimal range of 0.6-1.2 ppm was 96%.

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 City of Carthage 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.

2019 APR 24 AM 4:43

2018 CCR posted at following places:

Carthage City Hall  
212 W Main St.  
Carthage, Ms 39051

Carthage/Leake County Library  
114 E. Franklin St.  
Carthage, MS 39051

Leake County Court House  
101 Court Square  
Carthage, MS 39051

FORMSINK, LLC - FOR REORDER CALL 1-800-223-4460 - L-23525

010414002 | 03/01 | 04/01

SERVICE ADDRESS

101 E FRANKLIN ST

METER READINGS

CURRENT	PREVIOUS	USED
26	26	

CHARGE FOR SERVICES

WTR	17.01
SWR	17.01
GRB	27.43
TAX	1.19
NET DUE >>>	62.64
SAVE THIS >>	7.28
TOTAL DUE >>	69.92

PREPAID WATER SUPPLY

212 MAIN STREET  
CARTHAGE, MS 39051

2019 APR 24 AM 4:48

FIRST-CLASS M  
U.S. POSTAGE  
PAID  
PERMIT NO. 5  
CARTHAGE, M

PAY NET AMOUNT ON OR BEFORE DUE DATE	DUE DATE	PAY GROSS AMOUNT AFTER DUE DATE
NET AMOUNT	05/10/2019	GROSS AMOUNT
62.64	7.28	69.92

\*\* PAID BY BANK DRAFT \*\*

RETURN SERVICE REQUESTED

010414002  
POWERS, TORRIS

101 E FRANKLIN ST  
CARTHAGE, MS 39051-3715



FORMSINK, LLC - FOR REORDER CALL 1-800-223-4460 - L-23525

ACCOUNT NO | SERVICE FROM | SERVICE TO

010415000 | 03/01 | 04/01

SERVICE ADDRESS

201 E FRANKLIN ST

METER READINGS

CURRENT	PREVIOUS	USED
7378	7322	56

CHARGE FOR SERVICES

WTR	24.81
SWR	24.81
GRB	27.43
TAX	1.74
NET DUE >>>	78.79
SAVE THIS >>	10.61
TOTAL DUE >>	89.40

RETURN THIS STUB WITH PAYMENT TO:

CITY OF CARTHAGE  
212 MAIN STREET  
CARTHAGE, MS 39051

PRESORTED  
FIRST-CLASS M  
U.S. POSTAGE  
PAID  
PERMIT NO. 5  
CARTHAGE, M

PAY NET AMOUNT ON OR BEFORE DUE DATE	DUE DATE	PAY GROSS AMOUNT AFTER DUE DATE
NET AMOUNT	05/10/2019	GROSS AMOUNT
78.79	10.61	89.40

\*\* PAID BY BANK DRAFT \*\*

RETURN SERVICE REQUESTED

010415000  
CARTHAGE UNITED METHODIST CH

PO BOX 169  
CARTHAGE MS 39051-0169



FORMSINK, LLC - FOR REORDER CALL 1-800-223-4460 - L-23525

ACCOUNT NO | SERVICE FROM | SERVICE TO

010426001 | 03/01 | 04/01

SERVICE ADDRESS

204 E FRANKLIN ST

METER READINGS

CURRENT	PREVIOUS	USED
5034	5007	27

CHARGE FOR SERVICES

WTR	11.00
SWR	11.00
GRB	14.66
NET DUE >>>	36.66
SAVE THIS >>	4.40
TOTAL DUE >>	41.06

RETURN THIS STUB WITH PAYMENT TO:

CITY OF CARTHAGE  
212 MAIN STREET  
CARTHAGE, MS 39051

PRESORTED  
FIRST-CLASS M  
U.S. POSTAGE  
PAID  
PERMIT NO. 5  
CARTHAGE, M

PAY NET AMOUNT ON OR BEFORE DUE DATE	DUE DATE	PAY GROSS AMOUNT AFTER DUE DATE
NET AMOUNT	05/10/2019	GROSS AMOUNT
36.66	4.40	41.06

\*\* PAID BY BANK DRAFT \*\*

RETURN SERVICE REQUESTED

010426001  
CARTHAGE UNITED METHODIST PARS

204 E FRANKLIN ST  
CARTHAGE MS 39051-3718



BUSINESS HOURS: MONDAY - FRIDAY / 8 A.M. TO 5 P.M.

BUSINESS OFFICE TELEPHONE: 267-8322

IMPORTANT NOTICE -  
PAYMENT DUE BY 10TH OF MONTH

Important Information about your drinking water is available in the 2018 Consumer Confidence Report at: <http://www.msrrwa.org/2018ccr/carthage.pdf>. You may request a hard copy by checking this box  or by calling our office at (601) 267-8322.

PLEASE MAKE CHECKS PAYABLE TO:

CITY OF CARTHAGE  
212 MAIN STREET  
CARTHAGE, MS 39051

FOR YOUR CONVENIENCE  
NIGHT DEPOSIT SERVICE  
IS AVAILABLE AT THE  
ENTRANCE TO CITY HALL

TO ASSURE PROPER CREDIT  
RETURN THIS STUB  
WITH YOUR PAYMENT

THANK YOU

RECEIVED - WATER SUPPLY  
2019 APR 24 AM 4: 48

BUSINESS HOURS: MONDAY - FRIDAY / 8 A.M. TO 5 P.M.

BUSINESS OFFICE TELEPHONE: 267-8322

IMPORTANT NOTICE -  
PAYMENT DUE BY 10TH OF MONTH

Important Information about your drinking water is available in the 2018 Consumer Confidence Report at: <http://www.msrrwa.org/2018ccr/carthage.pdf>. You may request a hard copy by checking this box  or by calling our office at (601) 267-8322.

PLEASE MAKE CHECKS PAYABLE TO:

CITY OF CARTHAGE  
212 MAIN STREET  
CARTHAGE, MS 39051

FOR YOUR CONVENIENCE  
NIGHT DEPOSIT SERVICE  
IS AVAILABLE AT THE  
ENTRANCE TO CITY HALL

TO ASSURE PROPER CREDIT  
RETURN THIS STUB  
WITH YOUR PAYMENT

THANK YOU

BUSINESS HOURS: MONDAY - FRIDAY / 8 A.M. TO 5 P.M.

BUSINESS OFFICE TELEPHONE: 267-8322

IMPORTANT NOTICE -  
PAYMENT DUE BY 10TH OF MONTH

Important Information about your drinking water is available in the 2018 Consumer Confidence Report at: <http://www.msrrwa.org/2018ccr/carthage.pdf>. You may request a hard copy by checking this box  or by calling our office at (601) 267-8322.

PLEASE MAKE CHECKS PAYABLE TO:

CITY OF CARTHAGE  
212 MAIN STREET  
CARTHAGE, MS 39051

FOR YOUR CONVENIENCE  
NIGHT DEPOSIT SERVICE  
IS AVAILABLE AT THE  
ENTRANCE TO CITY HALL

TO ASSURE PROPER CREDIT  
RETURN THIS STUB  
WITH YOUR PAYMENT

THANK YOU