

2017 JUN 12 AM 9:13

# CERTIFICATION

## Consumer Confidence Report (CCR)

CITY OF WAVELAND  
Public Water Supply Name

# 0270002  
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 \_\_\_\_\_

Date(s) customers were informed: 5/25/17, 6/3/17, / /

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: THE SEA COAST PCH

Date Published: 6/3/17

CCR was posted in public places. *(Attach list of locations)* Date Posted: 5/25/17

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

WWW.WAVELAND-MS.GOV

### 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

Mike Smith  
Name/Title (President, Mayor, Owner, etc.)

6-6-17  
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](mailto:water.reports@msdh.ms.gov)

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

ACCOUNT NO. SERVICE FROM SERVICE TO  
 121320000 04/16 05/15  
 SERVICE ADDRESS  
 1014 MONROE ST

METER READINGS  
 PREVIOUS USED  
 150 146 4

CHARGE FOR SERVICES  
 WATER 29.00  
 SEWER 36.00  
 GARBAGE 9.35

RETURN THIS STUB WITH PAYMENT TO:

**CITY OF WAVELAND**  
**WATER & GAS DEPT.**

P.O. BOX 508 • WAVELAND, MS 39576-0509

PRESORTED  
 FIRST-CLASS MAIL  
 U.S. POSTAGE  
 PERMIT NO. 26  
 BAY ST. LOUIS, MS

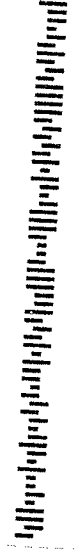
PAY NET AMOUNT ON OR BEFORE DUE DATE	DUE DATE	PAY GROSS AMOUNT AFTER DUE DATE
74.35	06/01/2017	74.35
NET AMOUNT		GROSS AMOUNT
74.35		74.35

WATER REPORT AVAILABLE @ CITY HALL OR  
 ONLINE, WWW.WAVELAND-MS.GOV  
 121320000

RETURN SERVICE REQUESTED

HASKELL, DWIGHT  
 1014 MONROE ST  
 WAVELAND, MS 39576-2818

NET DUE >>> 74.35  
 GROSS DUE >> 74.35



2016 Annual Drinking Water Quality Report  
 City of Waveland  
 PWS#: 0230002  
 May 2017

2017 MAY 23 PM 1: 32

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 Graham Gerry 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 City of Waveland have received a moderate susceptibility ranking to contamination.

If you have any questions about this report or concerning your water utility, please contact Dwight Haskell at 228-467-9248. 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 and the third Wednesday after the first Tuesday of each month at 6:30 PM at 301 Coleman Ave.

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 1<sup>st</sup> to December 31<sup>st</sup>, 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 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 for 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 Measure -ment	MCLG	MCL	Likely Source of Contamination
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### Inorganic Contaminants

8. Arsenic	N	2014*	.6	No Range	ppb	n/a	10	Erosion of natural deposits; runoff from orchards; runoff from glass and electronics production wastes
10. Barium	N	2014*	.0125	.007 - .0125	ppm	2	2	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
13. Chromium	N	2014*	14.9	6.5 – 14.9	ppb	100	100	Discharge from steel and pulp mills; erosion of natural deposits
14. Copper	N	2014/16	.2	0	ppm	1.3	AL=1.3	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
16. Fluoride	N	2014*	.96	.794 - .96	ppm	4	4	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories
17. Lead	N	2014/16	2	0	ppb	0	AL=15	Corrosion of household plumbing systems, erosion of natural deposits

### Disinfection By-Products

81. HAA5	N	2014*	17-22	No Range	ppb	0	60	By-Product of drinking water disinfection.
82. TTHM [Total trihalomethanes]	N	2014*	22.3	No Range	ppb	0	80	By-product of drinking water chlorination.
Chlorine	N	2016	.6	.24 – 1.56	mg/l	0	MDRL = 4	Water additive used to control microbes

### Treatment Technique

TT Violation	Explanation	Duration of Violation	Corrective Actions	Health Effects Language
Ground Water Rule	Failure to Take Corrective Action Within Required Timeframe	Aug 16 - Present	The system has entered into a bilateral compliance agreement issuing working with the State on an agreement, and/or corrected the deficiency	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 associated headaches.

\* Most recent sample. No sample required for 2016.

As you can see by the table, our system had no 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. 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.

#### Monitoring and Reporting of Compliance Data Violations:

During a sanitary survey conducted on 4/08/2016, the Mississippi State Department of Health cited the following significant deficiency(s):

Inadequate internal cleaning/maintenance of storage tanks

Corrective Actions: This system has entered into a Bilateral Compliance Agreement with MSDH to correct this deficiency by 5/31/2018

To comply with the "Regulation Governing Fluoridation of Community Water Supplies", our 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 0.7-1.3 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 97%.

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 Waveland 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.

Note: CCR report will not be mailed out. You can find on Waveland website at [www.Waveland-ms.gov](http://www.Waveland-ms.gov) on Home Page and at City Hall, 301 Coleman Ave., Waveland.

# The Sea Coast Echo

POST OFFICE BOX 2009  
BAY SAINT LOUIS, MS 39521-2009

## PROOF OF PUBLICATION

STATE OF MISSISSIPPI  
HANCOCK COUNTY

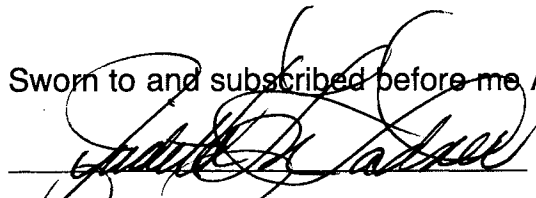
PERSONALLY appeared before me the undersigned authority in and for said County and State, JAMES R. PONDER, publisher of THE SEA COAST ECHO, a newspaper printed and published in the City of Bay Saint Louis, said County, who being duly sworn, deposes and says the publication of this notice hereunto annexed has been made in the said publication 1 weeks to-wit:

On the 03 day of June 2017  
On the \_\_\_\_\_ day of \_\_\_\_\_ 2017  
On the \_\_\_\_\_ day of \_\_\_\_\_ 2017  
On the \_\_\_\_\_ day of \_\_\_\_\_ 2017



Publisher

Sworn to and subscribed before me A NOTARY PUBLIC



this June 05 2017

Notary Public State of Mississippi At Large  
My Commission Expires: November 01, 2017

2016 Annual

We're pleased to present to you this year's Annual Quality and services we deliver to you every day. Our constant goal is to want you to understand the efforts we make to continuously improve. We are committed to ensuring the quality of your water. Our

The source water assessment has been completed for the water supply to identify potential sources of contamination. Determinations were made and have been furnished to our customers. The City of Waveland has received a moderate susceptibility

If you have any questions about this report or concerning our valued customers to be informed about their water quality meetings. They are held on the first Tuesday and the Coleman Ave.

We routinely monitor for contaminants in your drinking water. Drinking water contaminants that we detected during the 2016 assessment weren't required in 2016, the table reflects the most recent data. Contaminants naturally occurring minerals and, in some cases, radionuclides of animals or from human activity; microbial contaminants from septic systems, agricultural livestock operations, and wildlife; pesticides and herbicides, which may come from urban storm-water runoff, industrial processes and petroleum production, and can also come from residential uses; organic chemical contaminants, including volatile organic compounds, which may be the result of oil and gas production. EPA prescribes regulations that limit the amount of certain drinking water contaminants, and the presence of these contaminants does not necessarily indicate that the water is unsafe to drink. To remember that the presence of these contaminants does

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**Maximum Contaminant Level Goal (MCLG)** - The "Goal" (Maximum Contaminant Level Goal) for a contaminant in drinking water based on known or expected risk to health. MCLGs allow for a margin of safety.

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