

2017 MAY 23 AM 8:27

# CERTIFICATION

## Consumer Confidence Report (CCR)

MASHULAVILLE WATER DISTRICT, INCORPORATED

Public Water Supply Name

0520005

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: 05/04/17 , / / , / /

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 MACON BEACON

Date Published: 05 / 04 / 17

NOXUBEE COUNTY LIBRARY

CCR was posted in public places. *(Attach list of locations)*

Date Posted: 05 / 22 / 17

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

Travis Lindsey, President

*Travis Lindsey*

05-22-2017

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

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!**

2016 Annual Drinking Water Quality Report  
 Mashulaville Water District, Inc.  
 PWS#: 0520005  
 April 2017

RECEIVED-WATER SUPPLY

2017 APR 25 PM 2: 14

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 Tuscaloosa Massive Sand 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 Mashulaville Water District, Inc. have received moderate susceptibility rankings to contamination.

If you have any questions about this report or concerning your water utility, please contact Anne B. Richardson at 662.494.8247 or 662.251.6826. 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 third Thursday of each month at 6:00 PM at 1862 Hill Road, Macon, MS 39341.

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 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
<b>Radioactive Contaminants</b>								
5. Gross Alpha	N	2012*	3.4	2.9 - 3.4	pCi/L	0	15	Erosion of natural deposits
<b>Inorganic Contaminants</b>								

8. Arsenic	N	2016	.8	.6 - .8	ppb	n/a	10	Erosion of natural deposits; runoff from orchards; runoff from glass and electronics production wastes
10. Barium	N	2016	.179	.177 - .179	ppm	2	2	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
13. Chromium	N	2016	.8	.7 - .8	ppb	100	100	Discharge from steel and pulp mills; erosion of natural deposits
14. Copper	N	2012/14*	.2	0	ppm	1.3	AL=1.3	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
17. Lead	N	2012/14*	1	0	ppb	0	AL=15	Corrosion of household plumbing systems, erosion of natural deposits
16. Fluoride	N	2016	.335	.33 - .335	ppm	4	4	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories

### Disinfection By-Products

81. HAA5	N	2014*	2	No Range	ppb	0	60	By-Product of drinking water disinfection.
Chlorine	N	2016	1.1	1 - 1.3	ppm	0	MDRL = 4	Water additive used to control microbes

\* 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 constituents 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 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.

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 Mashulaville Water District, Inc. 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.

# Proof of Publication

THE STATE OF MISSISSIPPI. NOXUBEE COUNTY.  
IN CHANCERY COURT.

BEFORE ME, in and for said county, this day personally came R. Scott Boyd, THE MACON BEACON, a newspaper published in the City of Macon, of said county and state, who, being duly sworn, deposes and says that the publication of a certain notice, a true copy of which is hereto affixed, has been made for 1 weeks consecutively, to wit:

In Volume 169 Number 2 Dated May 4, 2017

In Volume \_\_\_\_\_ Number \_\_\_\_\_ Dated \_\_\_\_\_, \_\_\_\_\_

In Volume \_\_\_\_\_ Number \_\_\_\_\_ Dated \_\_\_\_\_, \_\_\_\_\_

In Volume \_\_\_\_\_ Number \_\_\_\_\_ Dated \_\_\_\_\_, \_\_\_\_\_

In Volume \_\_\_\_\_ Number \_\_\_\_\_ Dated \_\_\_\_\_, \_\_\_\_\_

In Volume \_\_\_\_\_ Number \_\_\_\_\_ Dated \_\_\_\_\_, \_\_\_\_\_

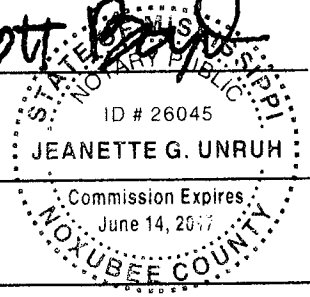
WITNESS my hand and seal of office, this the 4

day of May A.D., 20 17

By Jeanette S. Unruh

Printer's Fee \$ \_\_\_\_\_ Proof of Publication 3- Total \$ \_\_\_\_\_

R. Scott Boyd



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 Tussocks Massena Sand Aquifer.

The public water treatment has been completed for this year's annual drinking water quality report. The overall responsibility of the drinking water supply to identified potential sources of contamination, a "water footprint" providing detailed information on how the water quality was maintained. We have received moderate accountability ratings to contamination.

If you have any questions about the report or concerning your water utility, please contact Anne B. Richardson at 802-494-8241 or 802-251-8926. We value our customers and are committed to providing you with the best service. If you want to learn more, please attend any of our regularly scheduled meetings. They are held on the first Thursday of each month at 6:00 PM at 1822 Hill Road, Mason, MS 39041.

The industry monitor for contaminants in your drinking water according to Federal and State law. The 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 indicates 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, may come from sewage treatment plants, septic systems, farm animal operations, and other sources. 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 auto repair systems, tobacco and pesticide use. Inorganic chemical contaminants, such as radon, can be found in natural deposits of minerals and may come from agricultural operations, mining and other industrial processes and petroleum production. Radon, a naturally occurring radioactive gas, is found in some groundwater. EPA prescribes guidelines 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 the 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 Goal (MCLG):** The "Maximum Allowable" (MCLG) is the highest level of a contaminant that is believed to be safe. MCLG's are set as close to the MCLG's as possible 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. MCLG's 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. MRDLG's 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 \$10,000,000.

**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 \$10,000,000,000.

**TEST RESULTS**

Contaminant	Violation Y/N	Date	Level	Range of Detects or % of Samples MCLG/L	Unit	MCLG	MCL	Max. Source of Contamination
<b>Radioactive Contaminants</b>								
5.09 radpa N 2017 3.4 2.9 - 3.4 RDL 0 13 Emission of natural deposits								
<b>Inorganic Contaminants</b>								
8. Arsenic	N	2016	8	6 - 8	ppb	N/A	10	Emission of natural deposits, runoff from agriculture, and emissions production waste
10. Barium	N	2016	179	177 - 179	ppm	2	2	Discharge of drilling waste, discharge from metal refineries, erosion of natural deposits
13. Chromium	N	2016	8	7 - 8	ppb	100	100	Discharge from steel and pulp mills
14. Copper	N	2012/14*	2	0	ppm	1.3	1.3	Discharge from metal refineries, erosion of natural deposits
17. Lead	N	2012/14*	1	0	ppb	AL-15	AL-15	Discharge from metal refineries, erosion of natural deposits
18. Fluoride	N	2016	336	331 - 335	ppm	4	4	Emission of natural deposits, water treatment by-products, and discharge from industries and agriculture
<b>Disinfection By-Products</b>								
81. THM5	N	2016	2	No Range	ppb	0	50	By-product of drinking water disinfection
Chlorine	N	2016	1.1	1 - 1.3	ppm	0	MCLG: < 4	Water additive used to control microbes

\* First report issued. 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 provide you with water for specific contaminants on a monthly basis. Results of regular monitoring are an indicator of whether or not drinking water systems are able to consistently comply with all monitoring requirements. MSQH now makes systems of very sensitive 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 baby formula. If you are concerned about lead in your water, you may want to have your water tested for lead. For more information on lead in drinking water, please visit the U.S. Environmental Protection Agency's website at [www.epa.gov/lead](http://www.epa.gov/lead). Drinking Water Hotline or at 1-800-426-4797. For more information on lead in drinking water, please contact the Massachusetts Department of Health, Public Health Laboratory, 700 South Street, Boston, MA 02111. Please contact 601-578-7582 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,