

MISSISSIPPI STATE DEPARTMENT OF HEALTH  
BUREAU OF PUBLIC WATER SUPPLY  
CCR CERTIFICATION  
CALENDAR YEAR 2014

2015 APR 28 AM 11:31

Willow Grove Water Association  
Public Water Supply Name

0160010

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: \_\_\_\_\_

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 News Commercial

Date Published: 4/22/2015

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

Date Posted: \_\_\_\_\_

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

**CERTIFICATION**

I hereby certify that the 2014 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.

Margaret Shush (Office Manager)  
Name/Title (President, Mayor, Owner, etc.)

4-28-15  
Date

Deliver or send via U.S. Postal Service:  
Bureau of Public Water Supply  
P.O. Box 1700  
Jackson, MS 39215

May be faxed to:  
(601)575-7800

May be emailed to:  
[water.reports@msdh.ms.gov](mailto:water.reports@msdh.ms.gov)

WATER SUPPLY

2014 Annual Drinking Water Quality Report

Willow Grove Water Association

PWS#: 0160010

April 2015

APR 28 AM 11:30

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 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 understand the efforts we make to continually improve the water treatment process and protect our water resources. We are committed ensuring the quality of your water. Our water source is from wells drawing from the Cahoula Formation and the Miocene Aquifers.

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 we made has been furnished to our public water system and is available for viewing upon request. The wells for the Willow Grove Water Association have received lower susceptibility rankings to contamination.

If you have any questions about this report or concerning your water utility, please contact Gaines Reynolds, President at 601.270.6186. We want our valued customers to be informed about their water utility. If you want to learn more, please attend the meeting scheduled for the 1st Tuesday of each month at 6:00 PM at the well site.

We routinely monitor for constituents 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>, 2014. In cases where monitoring wasn't required in 2014, 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 activities: 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 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.

**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	2014	0189	.0054 - 0155	ppm	2	2	Discharge of drilling wastes, discharge from metal refineries, erosion of natural deposits
13 Chromium	N	2014	1.2	No Range	ppb	100	100	Discharge from steel and pulp mills; erosion of natural deposits
14. Copper	N	1-06/2014 7-12/2014	.1 .3	0	ppm	1.3	AL=1.3	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives

16. Fluoride	N	2014	.288	No Range	ppm	4	4	Erosion of natural deposits, water additive which promotes strong teeth; discharge from fertilizer and aluminum factories
17. Lead	N	1-06/2014 7-12/2014	1 3	0	ppb	0	AL=15	Corrosion of household plumbing systems, erosion of natural deposits
<b>Disinfection By-Products</b>								
Chlorine	N	2014	1.9	.64 - 2.33	mg/l	0	MRDL = 4	Water additive used to control microbes

\* Most recent sample. No sample required for 2014.

We are required to monitor your drinking water for specific constituents on a monthly basis. Results of regular monitoring are an indication whether or not our drinking water meets health standards. In an effort to ensure systems complete all monitoring requirements, MSDH 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 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 <http://www.epa.gov/safewater/lead>. The Mississippi State Department of Health Public Health Laboratory offers lead testing. Please call 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 Willow Grove Water Association works around the clock to provide top quality water to every tap. We ask that all our customers help protect our water sources, which are the heart of our community, our way of life and our children's future.

# Proof of Publication

STATE OF MISSISSIPPI  
COVINGTON COUNTY

PERSONALLY APPEARED before me, the undersigned authority, in and for said County and State, **Analyn Arrington Goff**, Publisher of **THE NEWS-COMMERCIAL**, a newspaper published in Collins, said County, who being duly sworn, says the publication of a certain notice, a true copy of which is hereto attached, was made in said paper on the hereinafter dates, as follows, to-wit:

Vol. 113 No. 41 Dated April 22, 2015

Vol. \_\_\_\_\_ No. \_\_\_\_\_ Dated \_\_\_\_\_

Vol. \_\_\_\_\_ No. \_\_\_\_\_ Dated \_\_\_\_\_

Vol. \_\_\_\_\_ No. \_\_\_\_\_ Dated \_\_\_\_\_

*Analyn A. Goff* Publisher

Sworn to and subscribed before me, this the 22nd day of April, 2015.

*James Arrington Goff* Notary Public

Printer's Fee \$ 150.00

Proof of Publication \$ 3.00

**TOTAL** \$ 153.00



2014 Annual Drinking Water Quality Report  
Willow Grove Water Association  
RWASA 03601010  
April 2015

We're pleased to present to you the 2014 Annual Drinking Water Report. This report is designed to inform you about the quality of your water. Our goal is to provide you with a clear and concise summary of the results of our water quality monitoring program and to provide you with information about the quality of your water. Our water is safe to drink and meets all the requirements of the Safe Drinking Water Act.

The water quality monitoring program was designed to ensure that the water supply to Willow Grove is safe and of high quality. We monitor the water quality at several locations throughout the service area. The data from these monitoring stations is used to determine if the water quality is within the required limits.

Our water quality monitoring program is designed to ensure that the water supply to Willow Grove is safe and of high quality. We monitor the water quality at several locations throughout the service area. The data from these monitoring stations is used to determine if the water quality is within the required limits.

We regularly monitor the water quality in your drinking water. According to the Safe Drinking Water Act, we are required to monitor the water quality at several locations throughout the service area. The data from these monitoring stations is used to determine if the water quality is within the required limits. We also monitor the water quality for certain chemicals and metals that are known to be harmful to human health.

In this report, you will find information about the water quality in your drinking water. We provide you with information about the water quality at several locations throughout the service area. The data from these monitoring stations is used to determine if the water quality is within the required limits.

As a result of our water quality monitoring program, we have found that the water quality in your drinking water is safe and of high quality. We continue to monitor the water quality at several locations throughout the service area to ensure that the water quality remains within the required limits.

We are committed to providing you with safe and high quality drinking water. We will continue to monitor the water quality at several locations throughout the service area to ensure that the water quality remains within the required limits.

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TEST RESULTS

Parameter	Units	Date	Value	Required Level	Test Method	Notes
<b>Inorganic Contaminants</b>						
Total Hardness	mg/L	2/14	140	200-300	Titrimetric	Good
Total Dissolved Solids	mg/L	2/14	140	500	Gravimetric	Good
Total Chloride	mg/L	2/14	140	250	Mercurimetric	Good
Total Sulfate	mg/L	2/14	140	250	Barium Chloride	Good
Total Fluoride	mg/L	2/14	0.25	No Risk	Spectrophotometric	Good
Total Lead	mg/L	1/10/2014	0	0.01	ICP-MS	Good

Disinfection By-Products

Parameter	Units	Date	Value	Required Level	Test Method	Notes
Total Trihalomethanes	mg/L	2/14	0.2	0.5	GC/MS	Good

We are required to monitor your drinking water for specific contaminants on a regular basis. The results of these tests are used to determine if the water quality is within the required limits. We also monitor the water quality for certain chemicals and metals that are known to be harmful to human health.

If you have a lead service line or lead pipes in your home, you may want to consider having your water tested for lead. Lead is a toxic metal that can cause serious health problems, especially for young children. We encourage you to take steps to reduce lead in your drinking water, such as flushing your pipes and using cold water for drinking and cooking.

All substances that are added to drinking water, including disinfection by-products, should be monitored. We monitor the water quality for certain chemicals and metals that are known to be harmful to human health. We also monitor the water quality for certain chemicals and metals that are known to be harmful to human health.

Some people may be more vulnerable to certain contaminants in drinking water than others. For example, infants and young children, pregnant women, and the elderly are more vulnerable to certain contaminants in drinking water. We encourage you to take steps to reduce lead in your drinking water, such as flushing your pipes and using cold water for drinking and cooking.

The Willow Grove Water Association works to provide the best possible drinking water to every tap. We protect our water sources and ensure that the water quality remains within the required limits. We will continue to monitor the water quality at several locations throughout the service area to ensure that the water quality remains within the required limits.

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