

APPROVED

BUREAU OF PUBLIC WATER SUPPLY  
CALENDAR YEAR 2008 CONSUMER CONFIDENCE REPORT  
CERTIFICATION FORM

Toccoola Water Assn.  
Public Water Supply Name

0580009 and 0580017  
List PWS ID #s for all Water Systems Covered by this CCR

The Federal Safe Drinking Water Act 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 to the customers, published in a newspaper of local circulation, or provided to the customers upon request.

*Please Answer the Following Questions Regarding the Consumer Confidence Report*

- Customers were informed of availability of CCR by: *(Attach copy of publication, water bill or other)*
  - Advertisement in local paper
  - On water bills
  - Other \_\_\_\_\_

Date customers were informed: 6/17/09

- CCR was distributed by mail or other direct delivery. Specify other direct delivery methods:  
Date Mailed/Distributed:  / /

- CCR was published in local newspaper. *(Attach copy of published CCR or proof of publication)*  
Name of Newspaper: The Pontotoc Progress  
Date Published: 6/17/09

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

- CCR was posted on a publicly accessible internet site at the address: www. \_\_\_\_\_

**CERTIFICATION**

I hereby certify that a consumer confidence report (CCR) has been distributed to the customers of this public water system in the form and manner identified above. 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.

David S. Patton (operator)  
Name/Title (President, Mayor, Owner, etc)

6-22-09  
Date

Mail Completed Form to: Bureau of Public Water Supply/P.O. Box 1700/Jackson, MS 39215  
Phone: 601-576-7518

CONFIRMATION OF NOTICE

Community  
(C)

Mississippi State Department of Health  
Bureau of Public Water Supply  
P O Box 1700  
Jackson, Mississippi 39215-1700

PWS Name: Toccopola Water Assn  
PWS ID #: 0580009 + 0580017  
For Violation: Chlorine Residual Monitoring  
Occurring on: Jan. 2004

The public water system indicated above hereby affirms that public notice has been provided to consumers in accordance with the delivery, content, and format requirements and deadlines given by method(s) indicated below:

Notice distributed by \_\_\_\_\_ on \_\_\_\_\_  
(hand or direct delivery) (date)

Notice distributed by \_\_\_\_\_ on \_\_\_\_\_  
(mail, as a separate notice or included with the bill) (date)

Notice distributed by CCR on 6-17-09  
(alternate method if applicable) (date)

David S. Patton

(Signature)

Operator

(Title)

6-22-09

(Date)

# PROOF OF PUBLICATION

STATE OF MISSISSIPPI  
PONTOTOC COUNTY

Personally appeared before me, the undersigned Notary Public in and for the State and County aforesaid, Brenda Owen who being duly sworn, states on oath that he was publisher of THE PONTOTOC PROGRESS, published at Pontotoc, Pontotoc County, Mississippi, at the time the attached:

Water Quality Report

was published and that said notice was published in said paper 1

consecutive times, as follows:

Volume 81, Number 24, on the  
17 day of June, 2009

Volume \_\_\_\_\_, Number \_\_\_\_\_, on the  
\_\_\_\_\_ day of \_\_\_\_\_, 2009

Volume \_\_\_\_\_, Number \_\_\_\_\_, on the  
\_\_\_\_\_ day of \_\_\_\_\_, 2009

Volume \_\_\_\_\_, Number \_\_\_\_\_, on the  
\_\_\_\_\_ day of \_\_\_\_\_, 2009

Volume \_\_\_\_\_, Number \_\_\_\_\_, on the  
\_\_\_\_\_ day of \_\_\_\_\_, 2009

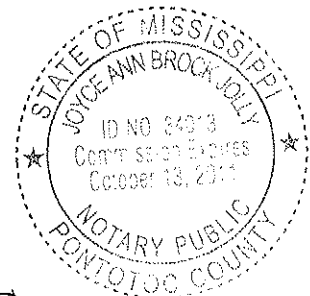
Volume \_\_\_\_\_, Number \_\_\_\_\_, on the  
\_\_\_\_\_ day of \_\_\_\_\_, 2009

Affiant further deposed and said that said newspaper, THE PONTOTOC PROGRESS, has been established for at least twelve months in Pontotoc County, State of Mississippi, next prior to the date of the first publication on the foregoing notice hereto attached, as required of newspapers publishing legal notices by Chapter 313 of the Acts of the Legislature at the State of Mississippi, enacted in regular session in the year 1935.

Brenda Owen, Publisher

Sworn to and subscribed before me, this 17 day of June, 2009

Joyce Ann Brock Jolly  
Notary Public



Printers fee \$ 399.60

**2008 Annual Drinking Water Quality Report**  
**Toccopola Water Association #1 and #2**  
**PWS#: 0580009 and 0580017**  
**June 2009**

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 Group and Ripley Formation 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. The general susceptibility rankings assigned to each well of this system are provided immediately below. 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 Toccopola Water Association have received moderate susceptibility rankings to contamination.

If you have any questions about this report or concerning your water utility, please contact David S. Patton at 662-489-6537. 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 second Tuesday in May at 7:00 PM at the Toccopola Community Center.

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>, 2008. In cases where monitoring wasn't required in 2008, 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.

**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.

**PWS ID#: 0580009**

**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	2008	.024	No Range	ppm	2	2	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
14. Copper	N	2008	.1	0	ppm	1.3	AL=1.3	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
16. Fluoride**	N	2008	4.47	4.03 - 4.47	ppm	4	4	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories
17. Lead	N	2008	2	0	ppb	0	AL=15	Corrosion of household plumbing systems, erosion of natural deposits
19. Nitrate (as Nitrogen)	N	2008	.16	No Range	ppm	10	10	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits
21. Selenium	N	2008	.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	2007*	.8	No Range	ppb	0	60	By-Product of drinking water disinfection.
Chlorine	N	2008	1.5	4 - 1.5	ppm	0	MDRL = 4	Water additive used to control microbes

**PWS ID#: 0580017**

**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
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## Inorganic Contaminants

10. Barium	N	2006*	.010	.009 - .010	ppm	2	2	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
13. Chromium	N	2006*	.7	.5 - .7	ppb	100	100	Discharge from steel and pulp mills; erosion of natural deposits
14. Copper	N	2008	.1	0	ppm	1.3	AL=1.3	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
16. Fluoride**	N	2006*	.915	.899 - .915	ppm	4	4	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories
17. Lead	N	2008	2	0	ppb	0	AL=15	Corrosion of household plumbing systems, erosion of natural deposits
20. Nitrite (as Nitrogen)	N	2008	.44	No Range	ppm	1	1	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits

## Disinfection By-Products

Chlorine	N	2008	1.5	.4 - 1.5	ppm	0	MDRL = 4	Water additive used to control microbes
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\* Most recent sample. No sample required for 2008.

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

### Inorganic Contaminants:

(17) Fluoride. Some people who drink water containing fluoride in excess of the MCL over many years could get bone disease, including pain and tenderness of the bones. Children may get mottled teeth.

In the third and fourth quarters of 2006 our test results showed that our system # 580009 exceeded the standard, or maximum contaminant level for Fluoride. To bring the system back into compliance we have stopped using the contaminated well. 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. Beginning January 1, 2004, the Mississippi State Department of Health (MSDH) required public water systems that use chlorine as a primary disinfectant to monitor/test for chlorine residuals as required by the Stage 1 Disinfection By-Products Rule. Our water systems failed to complete these monitoring requirements in January of 2004. We did complete the monitoring requirements for bacteriological sampling that showed no coliform present. 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 Association 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 for \$10 per sample. 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.

### \*\*\*\*\*A MESSAGE FROM MSDH CONCERNING RADIOLOGICAL SAMPLING\*\*\*\*\*

In accordance with the Radionuclides Rule, all community public water supplies were required to sample quarterly for radionuclides beginning January 2007 - December 2007. Your public water supply completed sampling by the scheduled deadline; however, during an audit of the Mississippi State Department of Health Radiological Health Laboratory, the Environmental Protection Agency (EPA) suspended analyses and reporting of radiological compliance samples and results until further notice.

Although this was not the result of inaction by the public water supply, MSDH was required to issue a violation. The Bureau of Public Water Supply is taking action to resolve this issue as quickly as possible. If you have any questions, please contact Melissa Parker, Deputy Director, Bureau of Public Water Supply, at 601.576.7518.

The Toccoola Water Association #1 and #2 work 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.