

APPROVED

SOX  
8/5/09

**BUREAU OF PUBLIC WATER SUPPLY**

**CALENDAR YEAR 2008 CONSUMER CONFIDENCE REPORT  
CERTIFICATION FORM**

City of Tupelo  
Public Water Supply Name

410015  
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: \_\_\_ / \_\_\_ / \_\_\_

- CCR was distributed by mail or other direct delivery. Specify other direct delivery methods:

Date Mailed/Distributed: \_\_\_ / \_\_\_ July 2009 Bills

Bill INSERT

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

- 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.

Jack Reed, Jr.  
Name/Title (President, Mayor, Owner, etc.)

7/30/09  
Date

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

# 2008 Annual Drinking Water Quality Report

City of Tupelo  
Water and Light Department

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.

## *Is my water safe to drink?*

Last Year, we conducted tests for many contaminants. We only detected 18 of these contaminants and found none to be at a level higher than EPA allows. This report is a snapshot of last year's water quality. Included are details about where your water comes from, what it contains, and how it compares to standards set by regulatory agencies. The City of Tupelo is committed to providing you with information because informed customers are our best allies.

## *Do I need to take special precautions?*

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as persons 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/Centers for Disease Control (CDC) guidelines on appropriate means to lessen the risk of infection by Cryptosporidium and other microbial contaminants are available from the Safe Drinking Water Hotline (800-426-4791).

## *Where does my water come from?*

Our water source is purchased from the Northeast Mississippi Regional Water supply District (410015, 290019) that draws water from the Tombigbee River.

## **Source water assessment and its availability:**

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.

## *Why are there contaminants in my drinking water?*

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 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.

## *How Can I get involved?*

Please attend any of our regularly scheduled meetings. They are held on the first and third Tuesdays of each month at 6:00 p.m. at the Tupelo City Hall, 2<sup>nd</sup> Floor.

### **Additional Information for Lead:**

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. The City of Tupelo is responsible for providing high quality drinking water, but can not 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 \$10.00 per sample. Please contact 601-576-7582 if you wish to have your water tested.

### **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, and Bureau of Public Water supply, at 601-576-7518.

## **Water Quality Data Table**

The table below lists all of the drinking water contaminants that we detected during the calendar year of this report. The presence of contaminants in the water does not necessarily indicate that the water poses a health risk. Unless otherwise noted, the data presented in this table is from testing done in the calendar year of this report. The EPA or the State requires us to monitor for certain contaminants less than once per year because the concentrations of these contaminants do not change frequently.

In this table you will find many terms and abbreviations you might not be familiar with. To help you better understand these we've provided the following definitions.

- **AL:** Action Level – the concentration of a contaminant which, when exceeded, triggers treatment or other requirements that a water system must follow.
- **MCLG:** Maximum Contaminant Level Goal – 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.
- **MCL:** Maximum Contaminant Level – the highest level of a contaminant that is allowed in drinking water. MCL's are set as close to the MCLGs as feasible using the best available treatment technology.
- **ppm:** parts per million or milligrams per liter (corresponds to one minute in two years)
- **ppb:** parts per billion or micrograms per liter (corresponds to one minute in 2,000 years)
- **pCi/l:** picocuries per liter

**PWS ID# 410015 (290019)**

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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**Radioactive Contaminants**

Beta/photon emitters	N	2002*	0.20	No Range	PCi/L	0	50	Decay of natural & man-made deposits
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**Inorganic Contaminants**

Antimony	N	Nov 2008	<0.0005	No Range	ppm	N/A	0.0006	Erosion of natural deposits
Arsenic	N	Nov 2008	<0.0005	No Range	ppm	N/A	0.010	Erosion of natural deposits; runoff from orchards; runoff from glass and electronics production wastes
Barium	N	Nov 2008	0.016863	No Range	ppm	2	2	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
Beryllium	N	Nov 2008	<0.0001	No Range	ppm	N/A	0.004	Erosion of natural deposits
Cadmium	N	Nov 2008	<0.0001	No Range	ppm	N/A	0.005	Erosion of natural deposits
Chromium	N	Nov 2008	0.001124	No Range	ppm	0.1	0.1	Discharge from steel and pulp mills; erosion of natural deposits
Copper	N	2000*	0.010	0	ppm	1.3	AL=1.3	Corrosion of household plumbing; erosion from natural deposits; leaching from wood preservatives
Cyanide	N	Nov 2008	<0.015	No Range	ppm	N/A	0.2	Erosion of natural deposits
Fluoride**	N	Nov 2008	0.78	No Range	ppm	4	4	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories
Lead	N	2000*	5	0	ppb	0	AL=15	Corrosion of household plumbing systems; erosion of natural deposits
Mercury	N	Nov 2008	<0.0002	No Range	ppm	N/A	0.002	Erosion of natural deposits

Nitrate (as Nitrogen)	N	May 2008	0.08	No Range	ppm	10	10	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits
Selenium	N	Nov 2008	0.000883	No Range	ppm	0.05	0.05	Discharge from petroleum and metal refineries; erosion of natural deposits; discharge from mines
Thallium	N	Nov 2008	0.0005	No Range	ppm	0.002	0.002	Leaching from ore-processing sites; discharge from electronics, glass, and drug factories

### Disinfection By-Products

TTHM [Total trihalomethanes]	N	2008	0.0395	0.035 – 0.044	ppm	0	0.080	By-product of drinking water disinfection
HAA5	N	2008	0.031	0.023 – 0.036	ppm	0	0.060	By-product of drinking water disinfection

*\*Most recent sample. No sample required for 2008*

*\*\*Fluoride level is routinely adjusted to the MS State Dept. of Health's recommended level of 0.8-1.2 mg/l.*

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 monitoring and testing that some constituents have been detected however the EPA has determined that your water IS SAFE at these levels.

The City of Tupelo 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.