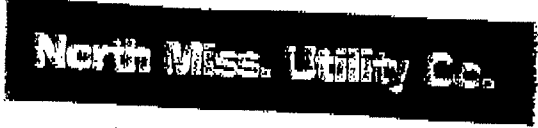


APPROVED



PO BOX 362  
Hernando MS 38632  
Phone: 662-429-9609  
Fax: 662-429-6202

170002  
170006  
170028  
170029

**Fax**

To: Melissa Parker From: North MS Utility

Fax: 662-576-7822 Date: \_\_\_\_\_

Pages: \_\_\_\_\_

Rec: \_\_\_\_\_ CC: \_\_\_\_\_

\_\_\_\_\_

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\_\_\_\_\_

\_\_\_\_\_

- Urgent
- For Review
- Please Comment
- Please Reply
- Please Recycle

As requested fax copy  
of CCR 2008.

### **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. North Mississippi Utility Company 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>.

## Water Quality Data Table – Brights (0170002)

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 the 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.

<u>Contaminants</u>	<u>MCLG</u>	<u>MCL</u>	<u>Value</u>	<u>Unit</u>	<u>Year</u>	<u>Violation</u>	<u>Typical Source</u>
<b>Inorganic Contaminants</b>							
Antimony (ppb)	6	6	0.0005	NA	2008	No	Discharge from petroleum refineries; fire retardants; ceramics; electronics; solder; test addition.
Arsenic (ppb)	0	10	0.0005	NA	2008	No	Erosion of natural deposits; Runoff from orchards; Runoff from glass and electronics production wastes
Barium (ppm)	2	2	0.018864	NA	2008	No	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits
Beryllium (ppb)	4	4	0.0001	NA	2008	No	Discharge from metal refineries and coal-burning factories; Discharge from electrical, aerospace, and defense industries
Cadmium (ppb)	5	5	0.0001	NA	2008	No	Corrosion of galvanized pipes; Erosion of natural deposits; Discharge from metal refineries; runoff from waste batteries and paints
Chromium (ppb)	100	100	0.0005	NA	2008	No	Discharge from steel and pulp mills; Erosion of natural deposits
Cyanide [as Free Cn] (ppb)	200	200	0.005	NA	2008	No	Discharge from plastic and fertilizer factories; Discharge from steel/metal factories
Fluoride (ppm)	4	4	1.5	NA	2008	No	Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from fertilizer and aluminum factories



**Disinfectants & Disinfection By-Products**

(There is convincing evidence that disinfection by-products are a potential source of microbial contaminants.)

Haloacetic Acids (HAA5) (ppb)	NA	60	6	NA	2008	No	By-product of drinking water chlorination
TTHMs [Total Trihalomethanes] (ppb)	NA	80	1.67	NA	2008	No	By-product of drinking water disinfection

**Inorganic Contaminants**

Antimony (ppb)	6	6	0.0005	NA	2008	No	Discharge from petroleum refineries; fire retardants; ceramics; electronics; solder; test addition.
Arsenic (ppb)	0	10	0.000246	NA	2008	No	Erosion of natural deposits; Runoff from orchards; Runoff from glass and electronics production wastes
Barium (ppm)	2	2	0.0072	NA	2008	No	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits
Beryllium (ppb)	4	4	0.0001	NA	2008	No	Discharge from metal refineries and coal-burning factories; Discharge from electrical, aerospace, and defense industries
Cadmium (ppb)	5	5	0.0001	NA	2008	No	Corrosion of galvanized pipes; Erosion of natural deposits; Discharge from metal refineries; runoff from waste batteries and paints
Chromium (ppb)	100	100	0.0005	NA	2008	No	Discharge from steel and pulp mills; Erosion of natural deposits
Cyanide [as Free Cn] (ppb)	200	200	0.005	NA	2008	No	Discharge from plastic and fertilizer factories; Discharge from steel/metal factories
Fluoride (ppm)	4	4	1.31	NA	2008	No	Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from fertilizer and aluminum factories
Mercury [Inorganic] (ppb)	2	2	0.0002	NA	2008	No	Erosion of natural deposits; Discharge from refineries and factories; Runoff from landfills; Runoff from cropland
Nitrate [measured as Nitrogen] (ppm)	10	10	0.08	NA	2008	No	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits

Nitrite [measured as Nitrogen] (ppm)	1	1	0.02	NA	2008	No	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits
Selenium (ppb)	50	50	0.0005	NA	2008	No	Discharge from petroleum and metal refineries; Erosion of natural deposits; Discharge from mines
Thallium (ppb)	0.5	2	0.0005	NA	2008	No	Discharge from electronics, glass, and Leaching from ore-processing sites; drug factories

Contaminant	MCLG	MCL	SMCL	PRM	Year	Exceeds	Typical Source
<b>Inorganic Contaminants</b>							
Copper - action level at consumer taps (ppm)	1.3	1.3	0	2008	10	No	Corrosion of household plumbing systems; Erosion of natural deposits
Lead - action level at consumer taps (ppb)	0	15	0.001	2008	0	No	Corrosion of household plumbing systems; Erosion of natural deposits

## Water Quality Data Table – Chickasaw Bluffs (0170028)

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 the 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.

Contaminant	MCLG	MCL	SMCL	PRM	Year	Exceeds	Typical Source
<b>Disinfectants &amp; Disinfection By-Products</b>							
<i>(There is convincing evidence that additional disinfection is necessary for control of microbial contaminants.)</i>							
Haloacetic Acids (HAA5) (ppb)	NA	60	6	NA	2008	No	By-product of drinking water chlorination
TTHMs [Total	NA	80	1.67	NA	2008	No	By-product of drinking water

Trihalomethanes]  
(ppb)

disinfection

Contaminants	MCLG	AL	Water	Date	Exceeds AL	AL	Typical Source
<b>Inorganic Contaminants</b>							
Copper - action level at consumer taps (ppm)	1.3	1.3	0.1	2008	10	No	Corrosion of household plumbing systems; Erosion of natural deposits
Lead - action level at consumer taps (ppb)	0	15	0.006	2008	0	No	Corrosion of household plumbing systems; Erosion of natural deposits

## Water Quality Data Table – Lake of the Hills (0170029)

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 the 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.

Contaminants	MCLG	MCL	Water	Date	Exceeds	AL	Typical Source
<b>Disinfectants &amp; Disinfection By-Products</b>							
(There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.)							
Haloacetic Acids (HAA5) (ppb)	NA	60	6	NA	2008	No	By-product of drinking water chlorination
TTHMs [Total Trihalomethanes] (ppb)	NA	80	1.67	NA	2008	No	By-product of drinking water disinfection

Contaminants	MCLG	AL	Water	Date	Exceeds AL	AL	Typical Source
<b>Inorganic Contaminants</b>							

Copper - action level at consumer taps (ppm)	1.3	1.3	0	2008	10	No	Corrosion of household plumbing systems; Erosion of natural deposits
Lead - action level at consumer taps (ppb)	0	15	0.001	2008	0	No	Corrosion of household plumbing systems; Erosion of natural deposits

<b>Unit Descriptions</b>	
<b>Term</b>	<b>Definition</b>
ppm	ppm: parts per million, or milligrams per liter (mg/L)
ppb	ppb: parts per billion, or micrograms per liter (µg/L)
NA	NA: not applicable
ND	ND: Not detected
NR	NR: Monitoring not required, but recommended.

<b>Important Drinking Water Definitions</b>	
<b>Term</b>	<b>Definition</b>
MCLG	MCLG: Maximum Contaminant Level Goal: 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.
MCL	MCL: Maximum Contaminant Level: 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.
TT	TT: Treatment Technique: A required process intended to reduce the level of a contaminant in drinking water.
AL	AL: Action Level: The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.
Variances and Exemptions	Variances and Exemptions: State or EPA permission not to meet an MCL or a treatment technique under certain conditions.
MRDLG	MRDLG: Maximum residual disinfection level goal. The level of a drinking water disinfectant below which there is no known or expected risk to health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contaminants.
MRDL	MRDL: Maximum residual disinfectant level. The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.
MNR	MNR: Monitored Not Regulated
MPL	MPL: State Assigned Maximum Permissible Level



**For more information please contact:**

Bill J Roberson

P O Box 362

Hernando, MS 38632

662-429-9509

662-429-6202

# 2008 Drinking Water Quality Report

## Is my water safe?

Last year, we conducted tests for over 80 contaminants. We only detected 4 of those contaminants, and found only 1 at a level higher than the EPA allows. As we told you at the time, our water temporarily exceeded drinking water standards. (For more information see the section labeled Violations at the end of the report.) 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. We are 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 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/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 Water Drinking Hotline (800-426-4791).

## Where does my water come from?

Our water comes from 2 deep wells located in the Upper Meridian Aquifer.

## Source water assessment and its availability

Our source water assessment has been completed. Our wells were ranked "low" in terms of susceptibility to contamination. For a copy of the report, please contact our office at 601.576.7518.

## Why are there contaminants in my drinking water?

Doug,

170002

170028

170029

need

MSDH Message re: Radiological Sampling  
Chlorine Residual (MRDL) Running Annual Average

170006 MRDL Violation

My Fax number 601 576-7800

RECEIVED-WATER SUPPLY  
2009 JUL -7 AM 9:06

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

NORTH MISSISSIPPI UTILITY COMPANY INC  
Public Water Supply Name

LAKE OF HILLS(0170029) BRIGHTS (0170002) EUDORA (0170006) CHICKASAW BLUFFS (0170028)  
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: \_\_\_ / \_\_\_ / \_\_\_

- CCR was published in local newspaper. (*Attach copy of published CCR or proof of publication*)

Name of Newspaper: DESOTO TIMES-TRIBUNE

Date Published: 06/30/09

- 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.

Bill Stober  
Name/Title (*President, Mayor, Owner, etc.*)

6-30-09  
Date

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

**2008 Drinking Water Quality Report**  
**North Mississippi Utility Company**  
**Brights (0170002) Eudora (0170006)**  
**Chickasaw Bluffs (0170028)**  
**Lake of the Hills (0170029)**

**Is my water safe?**

Last year, as in years past, your tap water met all U.S. Environmental Protection Agency (EPA) and state drinking water health standards. Local Water vigilantly safeguards its water supplies and once again we are proud to report that our system has not violated a maximum contaminant level or any other water quality standard. 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 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/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 Water Drinking Hotline (800-426-4791).

**Where does my water come from?**

Our water comes from three wells from the Sparta Sand Aquifer. Source water assessment and its availability

Currently, our source water assessment is being prepared by the Mississippi State Department of Health. When it is completed you will be notified and copies of this assessment will be made available upon request.

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

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 (EPA) Safe Drinking Water Hotline (800-426-4791). The sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs, and wells. As water travels over the surface of the land or through the ground, it dissolves naturally occurring minerals and, in some cases, radioactive material, and can pick up substances resulting 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 stormwater 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 stormwater 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, urban stormwater runoff, and septic systems; and 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. Food and Drug Administration (FDA) regulations establish limits for contaminants in bottled water which must provide the same protection for public health.

**How can I get involved?**

We want our valued customers to be informed about their water utility. If you would like a copy of the Consumer Confidence Report for your area, please come by our office at 3481 Bynalia Rd. Our office hours are 8 AM to Noon and 1 Pm to 4:30 PM Monday through Friday.

**Other Information**

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 fraction 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. 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. North Mississippi Utility Company 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>.

**Water Quality Data Table – Brights (0170002)**

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 the 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.

Contaminant	MCL, MCLG, or TT, or		Year	Range	Sample	Use	Health	Typical Source
	Whole Water	Water						
<b>Inorganic Contaminants</b>								
Antimony (ppb)	6	0.0005	NA	2008	No	Discharge from petroleum refineries; tire retardants; ceramics		
Arsenic (ppb)	0	10	0.0005	NA	2008	No	electronics; solder; test addition; erosion of natural deposits; runoff from orchards; runoff from glass and electronics production wastes	
Barium (ppm)	2	2	0.018964	NA	2008	No	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits	

2

Contaminant	MCL, MCLG, or TT, ppb	Year	Range	Sample	High	Date	Violation	Typical Source
Beryllium (ppb)	4	0.0001	NA	2008	No	2008	No	Discharge from metal refineries and coal-burning facilities; Discharge from electrical, aerospace, and the defense industries
Cadmium (ppb)	5	0.0001	NA	2008	No	2008	No	Corrosion of galvanized pipes; Erosion of natural deposits; Discharge from metal refineries; runoff from waste batteries and paints
Chromium (ppb)	100	0.0005	NA	2008	No	2008	No	Discharge from steel and pulp mills; Erosion of natural deposits
Cyanide (as Free Cl) (ppb)	200	0.005	NA	2008	No	2008	No	Discharge from plastic and fertilizer factories; Discharge from steel metal refineries
Fluoride (ppm)	4	1.5	NA	2008	No	2008	No	Erosion of natural deposits; Water added to which promotes strong teeth; Discharge from fertilizer and aluminum factories
Mercury (Inorganic) (ppb)	2	0.0002	NA	2008	No	2008	No	Erosion of natural deposits; Discharge from refineries and factories; Runoff from landfills; Runoff from cropland
Nitrate (measured as Nitrogen) (ppm)	10	0.41	NA	2008	No	2008	No	Runoff from fertilizer use; Leaching from septic tanks; Sewage; Erosion of natural deposits
Nitrite (measured as Nitrogen) (ppm)	1	0.02	NA	2008	No	2008	No	Runoff from fertilizer use; Leaching from septic tanks; Sewage; Erosion of natural deposits
Selenium (ppb)	50	0.0005	NA	2008	No	2008	No	Discharge from petroleum and metal refineries; Erosion of natural deposits; Discharge from mines
Thallium (ppb)	0.5	2	0.0005	NA	2008	No	2008	Discharge from electronics, glass, and leaching from ore-processing sites; drug factories

**Water Quality Data Table – Eudora (0170006)**

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 the 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.

Contaminant	MCL, MCLG, or TT, ppb	Year	Range	Sample	High	Date	Violation	Typical Source
Inorganic Contaminants								
Ammony (ppb)	6	0.0005	NA	2008	No	2008	No	Discharge from petroleum refineries; fire retardants; Ceramics; electronics; solder; best addition.
Arsenic (ppb)	0	10	0.00024	NA	2008	No	2008	Erosion of natural deposits; Runoff from orchards; Runoff from glass and electronics production wastes
Barium (ppm)	2	2	0.0072	NA	2008	No	2008	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits
Beryllium (ppb)	4	0.0001	NA	2008	No	2008	No	Discharge from metal refineries and coal-burning factories; Discharge from electrical, aerospace, and defense industries
Cadmium (ppb)	5	5	0.0001	NA	2008	No	2008	Corrosion of galvanized pipes; Erosion of natural deposits; Discharge from metal refineries; runoff from waste batteries and paints
Chromium (ppb)	100	100	0.0005	NA	2008	No	2008	Discharge from steel and pulp mills; Erosion of natural deposits
Cyanide (as Free Cl) (ppb)	200	200	0.005	NA	2008	No	2008	Discharge from plastic and fertilizer factories; Discharge from steel/metal refineries
Fluoride (ppm)	4	4	1.51	NA	2008	No	2008	Erosion of natural deposits; Water added to which promotes strong teeth; Discharge from fertilizer and aluminum factories
Mercury (Inorganic) (ppb)	2	2	0.0002	NA	2008	No	2008	Erosion of natural deposits; Discharge from refineries and factories; Runoff from landfills; Runoff from cropland
Nitrate (measured as Nitrogen) (ppm)	10	10	0.08	NA	2008	No	2008	Runoff from fertilizer use; Leaching from septic tanks; Sewage; Erosion of natural deposits
Nitrite (measured as Nitrogen) (ppm)	1	1	0.02	NA	2008	No	2008	Runoff from fertilizer use; Leaching from septic tanks; Sewage; Erosion of natural deposits

Contaminant	MCL, MCLG, or TT, ppb	Year	Range	Sample	Exceeds	Typical Source
Selenium (ppb)	50	50	0.0005	NA	2008	No
Thallium (ppb)	0.5	2	0.0005	NA	2008	No

**Water Quality Data Table – Chickasaw Bluffs (0170028)**

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 the 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.

Contaminant	MCL, MCLG, or TT, ppb	Year	Range	Sample	High	Date	Violation	Typical Source
Inorganic Contaminants								
Copper - action level at consumer taps (ppm)	1.3	1.3	0.1	2008	10	NA	No	Corrosion of household plumbing systems; Erosion of natural deposits
Lead - action level at consumer taps (ppm)	0	15	0.006	2008	0	NA	No	Corrosion of household plumbing systems; Erosion of natural deposits

## Water Quality Data Table – Lake of the Hills (0170029)

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 the 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.

Contaminants	MCLG or MRDLG	MCL, TT, or MRDL	Your Water	Range Low High	Sample Date	Violation	Typical Source
<b>Disinfectants &amp; Disinfection By-Products</b>							
(There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.)							
<b>Halocetic Acids</b>							
(HAA5)(ppb)	NA	60	6	NA	2008	No	By-product of drinking water chlorination
<b>TTHMs [Total Trihalomethanes]</b>							
(ppb)	NA	80	1.67	NA	2008	No	By-product of drinking water disinfection
<b>Inorganic Contaminants</b>							
<b>Copper - action level at consumer taps</b>							
(ppm)	1.3	1.3	0	2008	10	No	Corrosion of household plumbing systems; Erosion of natural deposits
<b>Lead - action level at consumer taps</b>							
(ppb)	0	15	0.001	2008	0	No	Corrosion of household plumbing systems; Erosion of natural deposit

### Unit Descriptions

Term	Definition
ppm	ppm: parts per million, or milligrams per liter (mg/L)
ppb	ppb: parts per billion, or micrograms per liter (µg/L)
NA	NA: not applicable
ND	ND: Not detected
NR	NR: Monitoring not required, but recommended.

### Important Drinking Water Definitions

Term	Definition
MCLG	MCLG: Maximum Contaminant Level Goal: 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.
MCL	MCL: Maximum Contaminant Level: 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.
TT	TT: Treatment Technique: A required process intended to reduce the level of a contaminant in drinking water.
AL	AL: Action Level: The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.

### Variances and Exemptions

Exemptions	Variances and Exemptions: State or EPA permission not to meet an MCL or a treatment technique under certain conditions.
MRDLG	MRDLG: Maximum residual disinfection level goal. The level of a drinking water disinfectant below which there is no known or expected risk to health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contaminants.
MRDL	MRDL: Maximum residual disinfectant level. The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.
MNR	MNR: Monitored Not Regulated
MPL	MPL: State Assigned Maximum Permissible Level

For more information please contact: Bill J Roberson, P O Box 362, Hernando, MS 38632, 662-429-9509, 662-429-6202

**PROOF OF PUBLICATION**

THE STATE OF MISSISSIPPI  
COUNTY OF DESOTO

**Diane Smith** personally appeared before me the undersigned in and for said County and State and states on oath that she is the **CLERK** of the DeSoto Times-Tribune, a newspaper published in the town of Hernando, State and County aforesaid, and having a general circulation in said county, and that the publication of the notice, a copy of which is hereto attached, has been made in said paper   1   consecutive times, as follows, to-wit:

Volume No.   114   on the   30   day of   June  , 2009

Volume No. \_\_\_\_\_ on the \_\_\_\_\_ day of \_\_\_\_\_, 2009

Volume No. \_\_\_\_\_ on the \_\_\_\_\_ day of \_\_\_\_\_, 2009

Volume No. \_\_\_\_\_ on the \_\_\_\_\_ day of \_\_\_\_\_, 2009

Volume No. \_\_\_\_\_ on the \_\_\_\_\_ day of \_\_\_\_\_, 2009

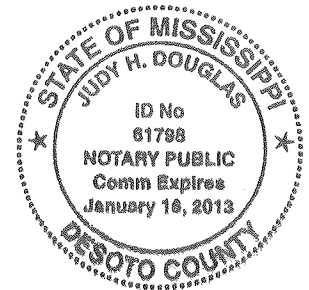
Volume No. \_\_\_\_\_ on the \_\_\_\_\_ day of \_\_\_\_\_, 2009

  Diane Smith  

Sworn to and subscribed before me, this   30   day of   June  , 2009

BY   Judy H. Douglas  

NOTARY PUBLIC STATE OF MISSISSIPPI AT LARGE  
MY COMMISSION EXPIRES: JANUARY 16, 2013  
BONDED THRU DIXIE NOTARY SERVICE, INCORPORATED



A. Single first insertion of   8 x 13 @ 6.48   words @ .12 \$   673.92  

B. \_\_\_\_\_ subsequent insertions of \_\_\_\_\_ words @ .10 \$ \_\_\_\_\_

C. Making proof of publication and depositing to same \$   3.00  

TOTAL PUBLISHER'S FEE: \$   676.92

# 2008 Drinking Water Quality Report

## North Mississippi Utility Company

Brights (0170002) Eudora (0170006)  
Chickasaw Bluffs (0170028) Lake of the Hills (0170029)

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### Is my water safe?

Last year, as in years past, your tap water met all U.S. Environmental Protection Agency (EPA) and state drinking water health standards. Local Water vigilantly safeguards its water supplies and once again we are proud to report that our system has not violated a maximum contaminant level or any other water quality standard.

### 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 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/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 Water Drinking Hotline (800-426-4791).

### Where does my water come from?

Our water comes from three wells from the Sparta Sand Aquifer for Brights, two wells from Sparta Sand Aquifer and one well from Lower Wilcox Aquifer for Eudora, two wells from Sparta Sand Aquifer for Chickasaw Bluffs and two wells from the Sparta Sand Aquifer for Lake of the Hills.

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Currently, our source water assessment is being prepared by the Mississippi State Department of Health. When it is completed you will be notified and copies of this assessment will be made available upon request.

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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 (EPA) Safe Drinking Water Hotline (800-426-4791). The sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs, and wells. As water travels over the surface of the land or through the ground, it dissolves naturally occurring minerals and, in some cases, radioactive material, and can pick up substances resulting 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 stormwater 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 stormwater 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, urban stormwater runoff, and septic systems; and 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. Food and Drug Administration (FDA) regulations establish limits for contaminants in bottled water which must provide the same protection for public health.

### **How can I get involved?**

We want our valued customers to be informed about their water utility. If you would like a copy of the Consumer Confidence Report for your area, please come by our office at 1481 Byhalia Rd. Our office hours are 8 AM to Noon and 1 Pm to 4:30 PM Monday through Friday.

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### **Other Information**

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.

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### **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. North Mississippi Utility Company 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>.

## Water Quality Data Table – Brights (0170002)

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 the 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.

Contaminants	MCLG	MCL	of			Date	Violation	Typical Source
	PERDE	PERDE	Water	Low	High			
<b>Disinfectants &amp; Disinfection By-Products</b>								
(There is convincing evidence that additional disinfection is necessary to control microbial contaminants)								
Chlorine (as Cl <sub>2</sub> ) (ppm)	4	4	1.53	1.12	1.93	2008	No	Water additive used to control microbes
<b>Inorganic Contaminants</b>								
Antimony (ppb)	6	6	0.0005	NA		2008	No	Discharge from petroleum refineries; fire retardants; ceramics; electronics; solder; test addition.
Arsenic (ppb)	0	10	0.0005	NA		2008	No	Erosion of natural deposits; Runoff from orchards; Runoff from glass and electronics production wastes
Barium (ppm)	2	2	0.018864	NA		2008	No	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits
Beryllium (ppb)	4	4	0.0001	NA		2008	No	Discharge from metal refineries and coal-burning factories; Discharge from electrical, aerospace, and defense industries

Cadmium (ppb)	5	5	0.0001	NA	2008	No	Corrosion of galvanized pipes; Erosion of natural deposits; Discharge from metal refineries; runoff from waste batteries and paints
Chromium (ppb)	100	100	0.0005	NA	2008	No	Discharge from steel and pulp mills; Erosion of natural deposits
Cyanide [as Free Cn] (ppb)	200	200	0.005	NA	2008	No	Discharge from plastic and fertilizer factories; Discharge from steel/metal factories
Fluoride (ppm)	4	4	1.5	NA	2008	No	Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from fertilizer and aluminum factories
Mercury [Inorganic] (ppb)	2	2	0.0002	NA	2008	No	Erosion of natural deposits; Discharge from refineries and factories; Runoff from landfills; Runoff from cropland
Nitrate [measured as Nitrogen] (ppm)	10	10	0.41	NA	2008	No	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits
Nitrite [measured as Nitrogen] (ppm)	1	1	0.02	NA	2008	No	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits
Selenium (ppb)	50	50	0.0005	NA	2008	No	Discharge from petroleum and metal refineries; Erosion of natural deposits; Discharge from mines
Thallium (ppb)	0.5	2	0.0005	NA	2008	No	Discharge from electronics, glass, and Leaching from ore-processing sites; drug factories

Contaminants	MCLG	AL	Water	Date	Residual	AE	Typical Source
<b>Inorganic Contaminants</b>							
Copper - action level at consumer taps (ppm)	1.3	1.3	1.3	2007	0	No	Corrosion of household plumbing systems; Erosion of natural deposits
Lead - action level at consumer taps (ppb)	0	15	0.002	2007	0	No	Corrosion of household plumbing systems; Erosion of natural deposits

## Water Quality Data Table – Eudora (0170006)

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 the 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.

Contaminants	MCLG	MCL	Your Water	Range		Sample Date	Violation	Typical Sources
	or MRDLG	or MRDL		Low	High			
<b>Disinfectants &amp; Disinfection By-Products</b>								
(There is convincing evidence that addition of disinfectants is necessary for control of microbial contaminants.)								
Chlorine (as Cl <sub>2</sub> ) (ppm)	4	4	1.33	1.25	1.35	2008	No	Water additive used to control microbes
Haloacetic Acids (HAA5) (ppb)	NA	60	6	NA		2008	No	By-product of drinking water chlorination
TTHMs [Total Trihalomethanes] (ppb)	NA	80	1.67	NA		2008	No	By-product of drinking water disinfection
<b>Inorganic Contaminants</b>								
Antimony (ppb)	6	6	0.0005	NA		2008	No	Discharge from petroleum refineries; fire retardants; ceramics; electronics; solder; test addition.
Arsenic (ppb)	0	10	0.000246	NA		2008	No	Erosion of natural deposits; Runoff from orchards; Runoff from glass and electronics production wastes
Barium (ppm)	2	2	0.0072	NA		2008	No	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits
Beryllium (ppb)	4	4	0.0001	NA		2008	No	Discharge from metal refineries and coal-burning factories; Discharge from electrical, aerospace, and defense industries
Cadmium (ppb)	5	5	0.0001	NA		2008	No	Corrosion of galvanized pipes; Erosion of natural deposits; Discharge from metal refineries; runoff from waste batteries and

							paints
Chromium (ppb)	100	100	0.0005	NA	2008	No	Discharge from steel and pulp mills; Erosion of natural deposits
Cyanide [as Free Cn] (ppb)	200	200	0.005	NA	2008	No	Discharge from plastic and fertilizer factories; Discharge from steel/metal factories
Fluoride (ppm)	4	4	1.31	NA	2008	No	Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from fertilizer and aluminum factories
Mercury [Inorganic] (ppb)	2	2	0.0002	NA	2008	No	Erosion of natural deposits; Discharge from refineries and factories; Runoff from landfills; Runoff from cropland
Nitrate [measured as Nitrogen] (ppm)	10	10	0.08	NA	2008	No	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits
Nitrite [measured as Nitrogen] (ppm)	1	1	0.02	NA	2008	No	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits
Selenium (ppb)	50	50	0.0005	NA	2008	No	Discharge from petroleum and metal refineries; Erosion of natural deposits; Discharge from mines
Thallium (ppb)	0.5	2	0.0005	NA	2008	No	Discharge from electronics, glass, and Leaching from ore-processing sites; drug factories

Contaminants	MCLG	AL	Water	Drinking	Inorganic/Al	Al	Typical Sources
<b>Inorganic Contaminants</b>							
Copper - action level at consumer taps (ppm)	1.3	1.3	0	2008	10	No	Corrosion of household plumbing systems; Erosion of natural deposits
Lead - action level at consumer taps (ppb)	0	15	0.001	2008	0	No	Corrosion of household plumbing systems; Erosion of natural deposits

## Water Quality Data Table – Chickasaw Bluffs (0170028)

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 the 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.

Contaminants	MCLG	MCL	Year	Range	Sample	Violations	Typical Source
	per Gallon	per Gallon	Water	Low - High	Date		

### Disinfectants & Disinfection By-Products

(There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.)

Haloacetic Acids (HAA5) (ppb)	NA	60	6	NA	2008	No	By-product of drinking water chlorination
TTHMs [Total Trihalomethanes] (ppb)	NA	80	1.67	NA	2008	No	By-product of drinking water disinfection

Contaminants	MCLG	AL	Year	Sample	Sample	Violations	Typical Source
	per Gallon	per Gallon	Water	Date	Exceeding AL	AL	

### Inorganic Contaminants

Copper - action level at consumer taps (ppm)	1.3	1.3	0.1	2008	10	No	Corrosion of household plumbing systems; Erosion of natural deposits
Lead - action level at consumer taps (ppb)	0	15	0.006	2008	0	No	Corrosion of household plumbing systems; Erosion of natural deposits

## Water Quality Data Table – Lake of the Hills (0170029)

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 the 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.

Contaminants	MCLG	MCL	Your Water	Range	Sample Date	Violation	Typical Source
	or MRDLG	TT, or MRDL		Low			
<b>Disinfectants &amp; Disinfection By-Products</b>							
(There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.)							
Haloacetic Acids (HAA5) (ppb)	NA	60	6	NA	2008	No	By-product of drinking water chlorination
TTHMs [Total Trihalomethanes] (ppb)	NA	80	1.67	NA	2008	No	By-product of drinking water disinfection

Contaminants	MCLG	AE	Your Water	Sample	# Samples Exceeding AE	Exceeds AE	Typical Source
				Date			
<b>Inorganic Contaminants</b>							
Copper - action level at consumer taps (ppm)	1.3	1.3	0	2008	10	No	Corrosion of household plumbing systems; Erosion of natural deposits
Lead - action level at consumer taps (ppb)	0	15	0.001	2008	0	No	Corrosion of household plumbing systems; Erosion of natural deposits

Unit Descriptions	
Term	Definition
ppm	ppm: parts per million, or milligrams per liter (mg/L)
ppb	ppb: parts per billion, or micrograms per liter (µg/L)
NA	NA: not applicable
ND	ND: Not detected

NR	NR: Monitoring not required, but recommended.
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<b>Important Drinking Water Definitions</b>	
<b>Term</b>	<b>Definition</b>
MCLG	MCLG: Maximum Contaminant Level Goal: 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.
MCL	MCL: Maximum Contaminant Level: 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.
TT	TT: Treatment Technique: A required process intended to reduce the level of a contaminant in drinking water.
AL	AL: Action Level: The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.
Variances and Exemptions	Variances and Exemptions: State or EPA permission not to meet an MCL or a treatment technique under certain conditions.
MRDLG	MRDLG: Maximum residual disinfection level goal. The level of a drinking water disinfectant below which there is no known or expected risk to health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contaminants.
MRDL	MRDL: Maximum residual disinfectant level. The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.
MNR	MNR: Monitored Not Regulated
MPL	MPL: State Assigned Maximum Permissible Level

**For more information please contact:**

Bill J Roberson

P O Box 362

Hernando, MS 38632

662-429-9509

662-429-6202



PRESORTED  
FIRST CLASS MAIL  
U.S. POSTAGE  
Permit No. 17  
Hernando, MS

CUSTOMER NO.	ACCOUNT NO.
1887	11/480-0
DELINQUENT DATE	
08/10/09	
AMOUNT DUE	55.06
RETURN THIS PORTION WITH PAYMENT	

ARTHUR W ANDERSON JR  
178 TCHILACHOMA RD

HERNANDO MS 38632

**NORTH MISSISSIPPI UTILITY COMPANY**

P.O. BOX 279 • HERNANDO, MS 38632

ACCOUNT NO.	CUSTOMER NO.	BILL DATE
11/480-0	1887	07/27/09
DATE	SERVICE FROM	SERVICE TO
06/08/09	07/28/09	
PREVIOUS	PAYMENT	CONSUMPTION
527620	540270	12580
SERVICE DESCRIPTION		AMOUNT DUE
BALANCE FWD		5.00
WATER CHGR		45.06



PAID ON TIME	DELINQUENT DATE	AFTER DELINQUENT DATE
50.06	08/10/09	55.06

FOR SERVICE AT: 178 TCHILACHOMA RD  
IMPORTANT INFORMATION ON BACK OF BILL

CORRECTED COPY OF CDR  
AVAILABLE IN OFFICE



PO BOX 362  
Hernando MS 38632  
Phone: 662-429-9609  
Fax: 662-429-6202

# Fax

To: Jessie From: Robyn Pressley

Fax: 601-576-7800 Date: 7-28-09

Page: 11

Rec: \_\_\_\_\_ CC: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Urgent     For Review     Please Comment     Please Reply     Please Recycle

Corrected copy of CCR and  
notification of availability  
on bills.

I will be mailing hard copy.

# 2008 CCR Contact Information

Date: 7/8/09 Time: 10:44

PWSID: 170002, 170006, 170028

System Name: N Ms Utility

Lead/Copper Language

MSDH Message re: Radiological Lab

170006  
April 05

MRDL Violation

Chlorine Residual (MRDL) RAA

170002  
+  
170006

Other Violation(s) \_\_\_\_\_

Will correct report & mail copy marked "corrected copy" to MSDH.

Will notify customers of availability of corrected report on next monthly bill.

\_\_\_\_\_

\_\_\_\_\_

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\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

WILL DO CORRECTED COPY AND NOTIFY CUSTOMERS OF AVAILABLE CORRECTED REPORT ON WATER BILL OR LETTER AND SEND US A COPY.

Spoke with Mr King  
(Operator, Owner, Secretary)

901-604-4441

662 429-6202 Fax

Robyn Pressley  
662 429-9509

Robyn Stated 17/28 + 17/29  
are Stand-by wells for 17/06  
17/28 + 17/29  
are used for Lead/Copper

2009 AUG -3 AM 8: 59

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<u>Contaminants</u>	<u>MCLG</u>	<u>MCL,</u>	<u>Your</u>	<u>Range</u>		<u>Sample</u>	<u>Date</u>	<u>Violation</u>	<u>Typical Source</u>
	<u>or</u>	<u>TT, or</u>		<u>Low</u>	<u>High</u>				
	<u>MRDLG</u>	<u>MRDL</u>	<u>Water</u>	<u>Low</u>	<u>High</u>				
<b>Disinfectants &amp; Disinfection By-Products</b>									
(There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.)									
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<b>Inorganic Contaminants</b>									
Antimony (ppb)	6	6	0.0005	NA		2008	No	Discharge from petroleum refineries; fire retardants; ceramics; electronics; solder; test addition.	
Arsenic (ppb)	0	10	0.0005	NA		2008	No	Erosion of natural deposits; Runoff from orchards; Runoff from glass and electronics production wastes	
Barium (ppm)	2	2	0.018864	NA		2008	No	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits	
Beryllium (ppb)	4	4	0.0001	NA		2008	No	Discharge from metal refineries and coal-burning factories; Discharge from electrical, aerospace, and defense industries	

Cadmium (ppb)	5	5	0.0001	NA	2008	No	Corrosion of galvanized pipes; Erosion of natural deposits; Discharge from metal refineries; runoff from waste batteries and paints
Chromium (ppb)	100	100	0.0005	NA	2008	No	Discharge from steel and pulp mills; Erosion of natural deposits
Cyanide [as Free Cn] (ppb)	200	200	0.005	NA	2008	No	Discharge from plastic and fertilizer factories; Discharge from steel/metal factories
Fluoride (ppm)	4	4	1.5	NA	2008	No	Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from fertilizer and aluminum factories
Mercury [Inorganic] (ppb)	2	2	0.0002	NA	2008	No	Erosion of natural deposits; Discharge from refineries and factories; Runoff from landfills; Runoff from cropland
Nitrate [measured as Nitrogen] (ppm)	10	10	0.41	NA	2008	No	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits
Nitrite [measured as Nitrogen] (ppm)	1	1	0.02	NA	2008	No	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits
Selenium (ppb)	50	50	0.0005	NA	2008	No	Discharge from petroleum and metal refineries; Erosion of natural deposits; Discharge from mines
Thallium (ppb)	0.5	2	0.0005	NA	2008	No	Discharge from electronics, glass, and Leaching from ore-processing sites; drug factories

<u>Contaminants</u>	<u>MCLG</u>	<u>AL</u>	<u>Your Water</u>	<u>Sample Date</u>	<u># Samples Exceeding AL</u>	<u>Exceeds AL</u>	<u>Typical Source</u>
<b>Inorganic Contaminants</b>							
Copper - action level at consumer taps (ppm)	1.3	1.3	1.3	2007	0	No	Corrosion of household plumbing systems; Erosion of natural deposits
Lead - action level at consumer taps (ppb)	0	15	0.002	2007	0	No	Corrosion of household plumbing systems; Erosion of natural deposits

## Water Quality Data Table – Eudora (0170006)

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 the 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.

<u>Contaminants</u>	<u>MCLG</u> or <u>MRDLG</u>	<u>MCL,</u> TT, or <u>MRDL</u>	<u>Your</u> <u>Water</u>	<u>Range</u> <u>Low</u> <u>High</u>	<u>Sample</u> <u>Date</u>	<u>Violation</u>	<u>Typical Source</u>	
<b>Disinfectants &amp; Disinfection By-Products</b>								
(There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.)								
Chlorine (as Cl <sub>2</sub> ) (ppm)	4	4	1.33	1.25	1.35	2008	No	Water additive used to control microbes
Haloacetic Acids (HAA5) (ppb)	NA	60	6	NA	2008	No	By-product of drinking water chlorination	
TTHMs [Total Trihalomethanes] (ppb)	NA	80	1.67	NA	2008	No	By-product of drinking water disinfection	
<b>Inorganic Contaminants</b>								
Antimony (ppb)	6	6	0.0005	NA	2008	No	Discharge from petroleum refineries; fire retardants; ceramics; electronics; solder; test addition.	
Arsenic (ppb)	0	10	0.000246	NA	2008	No	Erosion of natural deposits; Runoff from orchards; Runoff from glass and electronics production wastes	
Barium (ppm)	2	2	0.0072	NA	2008	No	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits	
Beryllium (ppb)	4	4	0.0001	NA	2008	No	Discharge from metal refineries and coal-burning factories; Discharge from electrical, aerospace, and defense industries	
Cadmium (ppb)	5	5	0.0001	NA	2008	No	Corrosion of galvanized pipes; Erosion of natural deposits; Discharge from metal refineries; runoff from waste batteries and	



Chromium (ppb)	100	100	0.0005	NA	2008	No	paints Discharge from steel and pulp mills; Erosion of natural deposits
Cyanide [as Free Cn] (ppb)	200	200	0.005	NA	2008	No	Discharge from plastic and fertilizer factories; Discharge from steel/metal factories
Fluoride (ppm)	4	4	1.31	NA	2008	No	Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from fertilizer and aluminum factories
Mercury [Inorganic] (ppb)	2	2	0.0002	NA	2008	No	Erosion of natural deposits; Discharge from refineries and factories; Runoff from landfills; Runoff from cropland
Nitrate [measured as Nitrogen] (ppm)	10	10	0.08	NA	2008	No	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits
Nitrite [measured as Nitrogen] (ppm)	1	1	0.02	NA	2008	No	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits
Selenium (ppb)	50	50	0.0005	NA	2008	No	Discharge from petroleum and metal refineries; Erosion of natural deposits; Discharge from mines
Thallium (ppb)	0.5	2	0.0005	NA	2008	No	Discharge from electronics, glass, and Leaching from ore-processing sites; drug factories

<u>Contaminants</u>	<u>MCLG</u>	<u>AL</u>	<u>Your Water</u>	<u>Sample Date</u>	<u># Samples Exceeding AL</u>	<u>Exceeds AL</u>	<u>Typical Source</u>
<b>Inorganic Contaminants</b>							
Copper - action level at consumer taps (ppm)	1.3	1.3	0	2008	10	No	Corrosion of household plumbing systems; Erosion of natural deposits
Lead - action level at consumer taps (ppb)	0	15	0.001	2008	0	No	Corrosion of household plumbing systems; Erosion of natural deposits

## Water Quality Data Table – Chickasaw Bluffs (0170028)

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 the 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.

<u>Contaminants</u>	<u>MCLG</u>	<u>MCL,</u>	<u>Your</u>	<u>Range</u>		<u>Sample</u>	<u>Violation</u>	<u>Typical Source</u>
	<u>or</u>	<u>TT, or</u>		<u>Low</u>	<u>High</u>			
	<u>MRDLG</u>	<u>MRDL</u>	<u>Water</u>	<u>Low</u>	<u>High</u>	<u>Date</u>		

### Disinfectants & Disinfection By-Products

(There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.)

Haloacetic Acids (HAA5) (ppb)	NA	60	6	NA		2008	No	By-product of drinking water chlorination
TTHMs [Total Trihalomethanes] (ppb)	NA	80	1.67	NA		2008	No	By-product of drinking water disinfection

<u>Contaminants</u>	<u>MCLG</u>	<u>AL</u>	<u>Your</u>	<u>Sample</u>	<u># Samples</u>	<u>Exceeds</u>		<u>Typical Source</u>
						<u>Water</u>	<u>Date</u>	

### Inorganic Contaminants

Copper - action level at consumer taps (ppm)	1.3	1.3	0.1	2008	10	No	Corrosion of household plumbing systems; Erosion of natural deposits
Lead - action level at consumer taps (ppb)	0	15	0.006	2008	0	No	Corrosion of household plumbing systems; Erosion of natural deposits

## Water Quality Data Table – Lake of the Hills (0170029)

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 the 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.

<u>Contaminants</u>	<u>MCLG</u> or <u>MRDLG</u>	<u>MCL</u> or <u>MRDL</u>	<u>Your</u> <u>Water</u>	<u>Range</u> <u>Low</u> <u>High</u>	<u>Sample</u> <u>Date</u>	<u>Violation</u>	<u>Typical Source</u>
<b>Disinfectants &amp; Disinfection By-Products</b>							
(There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.)							
Haloacetic Acids (HAA5) (ppb)	NA	60	6	NA	2008	No	By-product of drinking water chlorination
TTHMs [Total Trihalomethanes] (ppb)	NA	80	1.67	NA	2008	No	By-product of drinking water disinfection

<u>Contaminants</u>	<u>MCLG</u>	<u>AL</u>	<u>Your</u> <u>Water</u>	<u>Sample</u> <u>Date</u>	<u># Samples</u> <u>Exceeding AL</u>	<u>Exceeds</u> <u>AL</u>	<u>Typical Source</u>
<b>Inorganic Contaminants</b>							
Copper - action level at consumer taps (ppm)	1.3	1.3	0	2008	10	No	Corrosion of household plumbing systems; Erosion of natural deposits
Lead - action level at consumer taps (ppb)	0	15	0.001	2008	0	No	Corrosion of household plumbing systems; Erosion of natural deposits

<b>Unit Descriptions</b>	
<u>Term</u>	<u>Definition</u>
ppm	ppm: parts per million, or milligrams per liter (mg/L)
ppb	ppb: parts per billion, or micrograms per liter (µg/L)
NA	NA: not applicable
ND	ND: Not detected

NR	NR: Monitoring not required, but recommended.
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**Important Drinking Water Definitions**

<u>Term</u>	<u>Definition</u>
MCLG	MCLG: Maximum Contaminant Level Goal: 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.
MCL	MCL: Maximum Contaminant Level: 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.
TT	TT: Treatment Technique: A required process intended to reduce the level of a contaminant in drinking water.
AL	AL: Action Level: The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.
Variances and Exemptions	Variances and Exemptions: State or EPA permission not to meet an MCL or a treatment technique under certain conditions.
MRDLG	MRDLG: Maximum residual disinfection level goal. The level of a drinking water disinfectant below which there is no known or expected risk to health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contaminants.
MRDL	MRDL: Maximum residual disinfectant level. The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.
MNR	MNR: Monitored Not Regulated
MPL	MPL: State Assigned Maximum Permissible Level

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SERVICE DESCRIPTION	AMOUNT DUE
BALANCE FWD	5.00
WATER CHGR	45.06



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