

2009 JUN 13 07:04:45

# BUREAU OF PUBLIC WATER SUPPLY

## CALENDAR YEAR 2008 CONSUMER CONFIDENCE REPORT CERTIFICATION FORM

Brookhaven Water Dept.  
Public Water Supply Name

430002  
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: 6/15/2009

- 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.

James R. Manning, Mayor  
Name/Title (President, Mayor, Owner, etc.)

6-17-09  
Date

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

Annual Drinking Water Quality Report  
City of Brookhaven Water Department  
PWS ID # 430002  
June 11, 2009

We're very pleased to provide you with this year's Annual Water Quality Report. We want to keep you informed about the excellent water and services we have delivered to you over the past year. Our goal is and always has been, to provide to you a safe and dependable supply of drinking water. Our water source is the City of Brookhaven Water Department, which has 8 wells: Our wells draw from the Mioche series & citronella formation.

I'm pleased to report that our drinking water meets federal and state requirements.

If you have any questions about this report or concerning your water utility, please contact Lanny Dickey at (601) 833-7721. We want our valued customers to be informed about their water utility. If you want to learn more, please attend any of our regularly scheduled board meetings. Which are held on the first and third Tuesday of every month.

As you may be aware, the Safe Drinking Water Act (1996) mandates states to develop and implement Source Water Assessment Programs designed to notify public water systems and their customers regarding the susceptibility of their drinking water supplies to contamination. Congress intended that these susceptibility assessments would encourage efforts to enhance the protection and management of public water systems. Assessment findings range from high to low. This report is on file at the water department for customer review at (601) 833-7721.

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.

*Treatment Technique (TT)* - A treatment technique is a required process intended to reduce the level of a contaminant in drinking water.

*Maximum Contaminant Level* - 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* - 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.

The City of Brookhaven Water Department routinely monitors for contaminants in your drinking water according to Federal and State laws. These tables show the results of our monitoring for the period of January 1<sup>ST</sup> to December 31<sup>ST</sup>, 2008. 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. Also for 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.

Our source water assessment has been completed. One well was ranked high, six wells moderate, and one well low in terms of susceptibility to contamination. Please contact our office at 601-833-7721 if you have any questions.

**Annual Drinking Water Quality Report**  
**City of Brookhaven Water Department**  
**PWS ID # 430002**  
**June 19, 2009**

**Is my water safe?**

The Brookhaven Water Department is please to provide you with this year's Annual Water Quality Report. We want to keep you informed about the excellent water and services we have delivered to you over the past year. Our goal is and always has been, to provide to you a safe and dependable supply of drinking water.

**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 source is the City of Brookhaven Water Department, which has 8 wells: Our wells draw from the Miocehe series & citronella formation.

**Source water assessment and its availability**

Our source water assessment has been completed. One well was ranked high, six wells moderate, and one well low in terms of susceptibility to contamination. Please contact our office at 601-833-7721 if you have any questions.

**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).

**How can I get involved?**

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.

**Conservation Tips**

Fix toilet and faucet leaks. Take short showers - a 5 minute shower uses 4 to 5 gallons of water compared to up to 50 gallons for a bath. Turn the faucet off while brushing your teeth and shaving: 3-5 gallons go down the drain per minute. Teach your kids about water conservation to ensure a future generation that uses water wisely. Make it a family effort to reduce next month's water bill!

**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.

BROOKHAVEN WATER DEPARTMENT 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**

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	Range		Sample	Violation	Typical Source
	or MRDLG	TT, or MRDL		Water	Low			
<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	0.8	1.5	2008	No	Water additive used to control microbes
Haloacetic Acids (HAA5) (ppb)	NA	60	6	NA		2008	No	By-product of drinking water chlorination
THMs [Total Trihalomethanes] (ppb)	NA	80	16.68	NA		2008	No	By-product of drinking water disinfection

**Inorganic Contaminants**

Nitrate [measured as Nitrogen] (ppm)	10	10	1.26	0.02	1.26	2008	No	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits
--------------------------------------	----	----	------	------	------	------	----	---

Contaminants	MCLG	AL	Your Water	Sample Date	# Samples Exceeding AL	Exceeds AL	Typical Source
--------------	------	----	------------	-------------	------------------------	------------	----------------

**Inorganic Contaminants**

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	15	2007	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.

**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	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:**

Please call our office at 601-833-7721

TEST RESULTS									
Contaminant	Violation Y/N	Date Collected	Level Detected	Range of Detects or # of Samples Exceeding MCL/AQL	Unit Measurement	MCLG	MCL	Likely Source of Contamination	
<b>RADIOACTIVE CONTAMINANTS</b>									
Radon radon emfiers	N	1999	4.2	No Range	PCU		0	SD) Decay of natural and man-made deposits	
<b>INORGANIC CONTAMINANTS</b>									
Copper	N	2007	0.2 MG/L	SAMPLES EXCEEDING AL 0	ppm		0	AL=1.3	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
Lead	N	2007	0.002 MG/L	SAMPLES EXCEEDING AL 0	ppb		0	AL=15	Corrosion of household plumbing systems; erosion natural deposits
Nitrate	N	12/1/2006	0.02	0.02-1.28	ppm		0		Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits
<b>VOLATILE ORGANIC CONTAMINANTS</b>									
THM (Total trihalomethanes)	N	6/30/2008	0.012	average results	ppb	18.68	0	0.80 mg/l	By-product of drinking water chlorination
HAAS	N	6/30/2008	6	0.004	ppb	6	0	0.004 mg/l	By-product of drinking water chlorination
CYANIDE	N	3/6/2006	0.005		ppb		0	0.2 PPM	By-product of drinking water chlorination
<b>MICROBIOLOGICAL CONTAMINANTS</b>									
T1 Total Coliform Bacteria	N							0/N/A	N/A

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 (800-426-4791).

Please call our office if you have questions.

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.

Brookhaven Water Department  
P.O. Box 560  
Brookhaven, MS 39602

First Class Mail  
US Postage Paid  
Brookhaven, MS  
Permit 35

# 2008 CCR Contact Information

Date: 6/18/09 Time: 10:30

PWSID: 430002

System Name: Brookhaven

~~Lead/Copper Language~~

MRDL Violation

MSDH Message re: Radiological Lab

~~Chlorine Residual (MRDL) RAA~~

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.

Jennifer will do corrected copy and notify customers  
of available corrected report by July 1, 2009

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Spoke with Jennifer  
(Operator, Owner, Secretary)

601 833-7721  
Fax# 601 835-3992

**MSDH BUREAU OF PUBLIC WATER SUPPLY  
LEAD/COPPER 90TH PERCENTILE**

<b>PWS ID</b>	MS0430002	<b>RESULT TYPE</b>	PB90/CU90
<b>SYSTEM NAME</b>	CITY OF BROOKHAVEN	<b>SAMPLE_POINT</b>	DS000
<b>COUNTY</b>	LINCOLN		

	<b>Lead 90th</b>	<b># Samples</b>	<b>Copper 90th</b>	<b># Samples</b>
01/01/2002-12/31/2004 (Triennial)	0.003 mg/L	30	0.2 mg/L	30
01/01/2005-12/31/2007 (Triennial)	0.002 mg/L	20	0.2 mg/L	20
 Action Level	 0.015 mg/L		 1.3 mg/L	

\* = Action Level Exceeded