

RECEIVED - WATER SUPPLY  
2009 JUN 29 AM 8:47

APPROVED

**BUREAU OF PUBLIC WATER SUPPLY**

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

BIG CREEK WATER ASSOCIATION

Public Water Supply Name

070002

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: CALHOUN COUNTY JOURNAL

Date Published: 6/25/2009

- 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.

BOB HARRISON                      PRESIDENT  
Name/Title (President, Mayor, Owner, etc.)

6-26-09  
Date

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

## Consumer Confidence Report/Big Creek Water Association

### 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 two wells that are located in the Coker and Gordo Aquifers.

### Source water assessment and its availability

The source water assessment for Big Creek Water Association has been completed and is available for viewing upon request. For a copy, please contact the water system.

### 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 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, urban storm-water 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?

Please feel free to join us at the regular meeting on August 11, 2009 at the Big Creek Fire Department.

### Conservation Tips

Did you know that the average U.S. household uses approximately 350 gallons of water per day? Luckily, there are many low-cost or no-cost ways to conserve water. Water your lawn at the least sunny times of the day. 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!

### 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 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.

**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. Big Creek 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.

**Additional Information for Arsenic**

While your drinking water meets EPA's standard for arsenic, it does contain low levels of arsenic. EPA's standard balances the current understanding of arsenic's possible health effects against the costs of removing arsenic from drinking water. EPA continues to research the health effects of low levels of arsenic which is a mineral known to cause cancer in humans at high concentrations and is linked to other health effects such as skin damage and circulatory problems.

**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.

<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>Sample</u> <u>Date</u>	<u>Violation</u>	<u>Typical Source</u>
				<u>Low</u>	<u>High</u>			

**Disinfectants & Disinfection By-Products**

(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	1.25	1.18	1.25	2008	No	Water additive used to control microbes
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**Inorganic Contaminants**

Arsenic (ppb)	0	10	5.616	2.481	5.616	2008	No	Erosion of natural deposits; Runoff from orchards; Runoff from glass and electronics production wastes
Barium (ppm)	2	2	0.129607	0.098147	0.129607	2008	No	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits
Fluoride (ppm)	4	4	0.431	0.421	0.431	2008	No	Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from fertilizer and aluminum factories

# Proof Of Publication

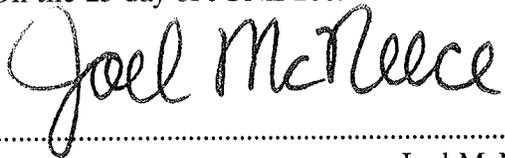
STATE OF MISSISSIPPI,  
COUNTY OF CALHOUN

Personally came before me, the undersigned, a Notary Public, in and for Calhoun County, Mississippi, Joel McNeece, Publisher of The Calhoun County Journal, a newspaper published in Bruce, Calhoun County, in said state, who being duly sworn, deposes and says that The Calhoun County Journal is a newspaper as defined and prescribed in Senate Bill No. 203 enacted at the regular session of the Mississippi Legislature of 1948, amending Section 1858 of the Mississippi Code of 1942, and the publication of a notice, of which annexed copy, in the matter of

## BIG CREEK WATER QUALITY REPORT

has been made in said newspaper one time, to-wit:

On the 25 day of JUNE 2009



Joel McNeece,  
Publisher

Sworn to and subscribed before me, this 25 day of JUNE, 2009.



Lisa Denley McNeece,  
Notary Public

My commission expires February 22, 2010

SEAL

### Consumer Confidence Report/Big Creek Water Association

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Contaminants	MCLG	MCL	Your Water	Range		Sample Date	Violation	Typical Source
	MRDLG	MRDL		Low	High			
<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	1.25	1.18	1.25	2008	No	Water additive used to control microbes
<b>Inorganic Contaminants</b>								
Arsenic (ppb)	0	10	5.616	2.481	5.616	2008	No	Erosion of natural deposits; Runoff from orchards; Runoff from glass and electronics production wastes
Barium (ppm)	2	2	0.129607	0.098147	0.129607	2008	No	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits
Fluoride (ppm)	4	4	0.431	0.421	0.431	2008	No	Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from fertilizer and aluminum factories
Nitrite [measured as Nitrogen] (ppm)	10	10	0.08	ND	0.08	2008	No	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits
Nitrate [measured as Nitrogen] (ppm)	1	1	0.09	ND	0.09	2008	No	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits

Selenium (ppb) 50 50 10.475 8.509 10.478 2008 No No Discharge from petroleum and metal refineries; Erosion of natural deposits; Discharge from mines

Contaminants	MCLG		Your Sample		# Samples Exceeding AL	Exceeds AL	Typical Source
	AL	Water	Date				
<b>Inorganic Contaminants</b>							
Copper - action level at consumer taps (ppm)	1.3	1.3	0.8	2007	0	No	Corrosion of household plumbing systems; Erosion of natural deposits
Lead - action level at consumer taps (ppb)	0	15	4	2007	0	No	Corrosion of household plumbing systems; Erosion of natural deposits

**Undetected Contaminants**

The following contaminants were monitored for, but not detected, in your water.

Contaminants	MCLG		Your		Violation	Typical Source
	MRDLG	MRDL	Water			
<b>Disinfectants &amp; Disinfection By-Products</b>						
Haloacetic Acids (HAA5) (ppb)	NA	60	ND	No	By-product of drinking water chlorination	
THMs [Total Trihalomethanes] (ppb)	NA	80	ND	No	By-product of drinking water disinfection	
<b>Inorganic Contaminants</b>						
Cyanide [as Free Cu] (ppb)	200	200	ND	No	Discharge from plastic and fertilizer factories; Discharge from steel/metal factories	

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.
<b>Important Drinking Water Definitions</b>	
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:

Bobby Harrison  
 Address:  
 P. O. Box 2037  
 Big Creek, MS 38914  
 662-628-3689

Nitrate [measured as Nitrogen] (ppm)	10	10	0.08	ND	0.08	2008	No	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits
Nitrite [measured as Nitrogen] (ppm)	1	1	0.09	ND	0.09	2008	No	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits
Selenium (ppb)	50	50	10.478	8.509	10.478	2008	No	Discharge from petroleum and metal refineries; Erosion of natural deposits; Discharge from mines

<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>
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#### Inorganic Contaminants

Copper - action level at consumer taps (ppm)	1.3	1.3	0.8	2007	0	No	Corrosion of household plumbing systems; Erosion of natural deposits
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#### Undetected Contaminants

The following contaminants were monitored for, but not detected, in your water.

<u>Contaminants</u>	<u>MCLG</u> or <u>MRDLG</u>	<u>MCL</u> or <u>MRDL</u>	<u>Your Water</u>	<u>Violation</u>	<u>Typical Source</u>
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#### Disinfectants & Disinfection By-Products

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

#### Inorganic Contaminants

Cyanide [as Free Cn] (ppb)	200	200	ND	No	Discharge from plastic and fertilizer factories; Discharge from steel/metal factories
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Unit Descriptions	
Term	Definition
ppm	ppm: parts per million, or milligrams per liter (mg/L)
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**For more information please contact:**

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Address:

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Big Creek, MS 38914

662-628-5689