

APPROVED

RECEIVED

JUN 26 2009

BY _____

BUREAU OF PUBLIC WATER SUPPLY

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

GRACE WATER ASSN.
Public Water Supply Name

0280009
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: DELTA DEMOCRAT TIMES

Date Published: 6/22/09

- CCR was posted in public places. (*Attach list of locations*)

Date Posted: / /

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

CERTIFICATION

I hereby certify that a consumer confidence report (CCR) has been distributed to the customers of this public water system in the form and manner identified above. I further certify that the information included in this CCR is true and correct and is consistent with the water quality monitoring data provided to the public water system officials by the Mississippi State Department of Health, Bureau of Public Water Supply.

David Keckin MANAGER
Name/Title (President, Mayor, Owner, etc.)

6-24-09
Date

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

THE STATE OF MISSISSIPPI

County of Washington, City of Greenville

Personally appeared before me, Patina L. Tubbs-Wesley, a Notary Public in and for said City and County, Amy D. Hughes, who makes oath that she is Clerk of a newspaper printed and published in the City of Greenville, Washington County, Mississippi, called

The Delta Democrat-Times

who, being duly sworn, deposes and says that the publication of a notice, a true copy of which is hereto affixed, has been made in said paper 1 weeks consecutively, to-wit:

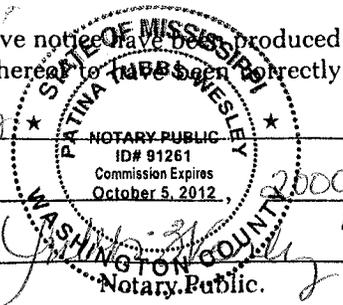
- In Volume 140 Number 243 Dated 6-22, 20 09
- In Volume _____ Number _____ Dated _____, 20 _____
- In Volume _____ Number _____ Dated _____, 20 _____
- In Volume _____ Number _____ Dated _____, 20 _____
- In Volume _____ Number _____ Dated _____, 20 _____
- In Volume _____ Number _____ Dated _____, 20 _____

And I further certify that the several numbers of said newspaper containing the above notice have been produced before me and compared with the copy annexed and that I find the publication thereof to have been correctly made.

Witness my hand and seal this 24 day of June

Printer's Fee \$ 3.00

Amy D. Hughes
J. D. J.
Notary Public



Consumer Confidence Report/Grace 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 both located in the Cockfield Aquifer.

Source water assessment and its availability

Our source water assessment has been completed. A copy of this report has been provided to the water association and is available for viewing upon request. For a copy of the report, please contact our office at 601-576-7000.

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?

If you have any questions or concerns, please feel free to join us at the meeting. A notice of this meeting will be made available to all customers.

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. Black Bayou 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.

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 Water	Range		Sample Date	Violation	Typical Source
	or MRDLG	or MRDL		Low	High			
Disinfectants & Disinfection By-Products								
(There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.)								
Chlorine (as Cl ₂) (ppm)	4	4	1.28	0.81	1.28	2008	No	Water additive used to control microbes
Inorganic Contaminants								
Barium (ppm)	2	2	0.006264	ND	0.006264	2008	No	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits
Chromium (ppb)	100	100	3.002	ND	3.002	2008	No	Discharge from steel and pulp mills; Erosion of natural deposits
Fluoride (ppm)	4	4	0.547	ND	0.547	2008	No	Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from fertilizer and aluminum factories
Selenium (ppb)	50	50	0.924	ND	0.924	2008	No	Discharge from petroleum and metal refineries; Erosion of natural deposits; Discharge from mines

Undetected Contaminants

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

Contaminants	MCLG	MCL	Your Water	Violation	Typical Source
	or MRDLG	or MRDL			
Inorganic Contaminants					
Cyanide [as Free Cn] (ppb)	200	200	ND	No	Discharge from plastic and fertilizer factories; Discharge from steel/metal factories
Nitrate [measured as Nitrogen] (ppm)	10	10	ND	No	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits
Nitrite [measured as Nitrogen] (ppm)	1	1	ND	No	Runoff from fertilizer use; Leaching from septic tanks, sewage; 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.
Variations and Exemptions	Variations 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:

You will not receive a copy of this CCR Report in the mail, however, you may retain a copy in our office at your request.

David Koehn
5287 Black Bayou Road
Leland, MS 38756
662-922-8601

Consumer Confidence Report/Grace Water Association – CORRECTED COPY

Is my water safe?

Last year, we conducted tests for over 80 contaminants. We only detected 10 of those contaminants, and found only 2 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 one well located in the Sparta Aquifer.

Source water assessment and its availability

Our source water assessment has been completed. A copy of this report has been provided to the water association and is available for viewing upon request. For a copy of the report, please contact our office at 601-576-7000.

Why are there contaminants in my drinking water?

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	<u>or</u>	<u>TT, or</u>						
	<u>MRDLG</u>	<u>MRDL</u>						

Disinfectants & Disinfection By-Products

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

Chlorine (as Cl ₂) (ppm)	4	4	1.28	0.81	1.28	2008	No	Water additive used to control microbes
Haloacetic Acids (HAA5) (ppb)	NA	60	150	114	159	2008	Yes	By-product of drinking water chlorination
TTHMs [Total Trihalomethanes] (ppb)	NA	80	159	144	159	2008	Yes	By-product of drinking water disinfection

Inorganic Contaminants

Barium (ppm)	2	2	0.006264	ND	0.006264	2008	No	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits
Chromium (ppb)	100	100	3.002	ND	3.002	2008	No	Discharge from steel and pulp mills; Erosion of natural deposits
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MNR	MNR: Monitored Not Regulated
MPL	MPL: State Assigned Maximum Permissible Level

Violations and Exceedances

Haloacetic Acids (HAA5)

Some people who drink water containing haloacetic acids in excess of the MCL over many years may have an increased risk of getting cancer. this occurred throughout the calendar year of 2008 We are working with the Mississippi State Health Department to correct the situation.

TTHMs [Total Trihalomethanes]

Some people who drink water containing trihalomethanes in excess of the MCL over many years may experience problems with their liver, kidneys, or central nervous system, and may have an increased risk of getting cancer. this occurred throughout the calendar year of 2008. We are working the Mississippi State Health Department to correct the situation.

For more information please contact:

David Koehn

Address:

MS

662-822-8601

2008 CCR Contact Information

Date: 6/29/09

Time: 4:55

PWSID: 280009

System Name: Bnace

Lead/Copper Language

MSDH Message re: Radiological Lab

9/09 ~~MRDL Violation~~

Chlorine Residual (MRDL) RAA

Other Violation(s) TTHM violation MCL
HAAS violation MCL

1st
2nd
3rd
4th
quarter
of
2008

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

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

Will do Corrected Copy and
Notify Customers of available
Corrected Report and send us
a copy.

Health effect
Language need
to be included
included close
to data table

Spoke with David Koehn
(Operator, Owner, Secretary)

1662 822-8601