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MISSISSIPPI STATE DEPARTMENT OF HEALTH

BUREAU OF PUBLIC WATER SUPPLY

CALENDAR YEAR 2009 CONSUMER CONFIDENCE REPORT CERTIFICATION FORM

City of Water Valley
Public Water Supply Name

0810011
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.

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: 1/1

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

Date Mailed/Distributed: 1/1

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

Name of Newspaper: North Mississippi Herald

Date Published: 6/3/2010

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

Date Posted: 1/1

- 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.

Name/Title (President, Mayor, Owner, etc.): Morris A. Summit, Sept.

Date: 6/8/2010

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

# City of Water Valley Water Quality Report for 2009

## 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. The City of Water Valley 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. Immunocompromised 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?

The City of Water Valley's water comes from six wells located within the city. All six wells pump water from the Meridian-Upper Wilcox aquifer. The city constantly monitors these wells to make sure that they provide a safe source of drinking water.

## Source water assessment and its availability

The 1996 amendments to the Safe Drinking Water Act (SDWA 1996) mandates states with Public Water Supply Supervisory Program (PWSSP) primacy to develop and implement a Source Water Assessment Program (SWAP). These programs are required to notify public water systems and customers regarding the relative susceptibility of their drinking water supplies to contamination. Congress hoped that these susceptibility assessments would encourage efforts to enhance the protection and management of public water systems.

Over 95% of our state's residents obtain their drinking water from the 18 major aquifers and several minor aquifers found in the state. Most of the approximately 3400 public water supply wells operating in Mississippi are screened in deep confined aquifers that are protected from surface contamination by clay layers.

State personnel have completed a 'Source Water Assessment' for our water system. Because all our wells are relatively shallow wells they are classified at a 'higher' risk for contamination. Although our water is safe and we constantly monitor it to make sure that it remains safe, we encourage everyone to be environmentally responsible. Please dispose of all hazardous waste

including oil, fuels, and paint in an EPA approved manner.

A copy of the City of Water Valley's Source Water Assessment is available for view at City Hall.

## 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 encourage everyone to participate in keeping our water supply healthy and viable. Our city board meets the first Tuesday evening of every month. Anyone with suggestions is encouraged to attend.

## Water Conservation Tips

Did you know that the average U.S. household uses approximately 400 gallons of water per day or 100 gallons per person per day? Luckily, there are many low-cost and no-cost ways to conserve water. Small changes can make a big difference - try one today and soon it will become second nature.

- Take short showers - a 5 minute shower uses 4 to 5 gallons of water compared to up to 50 gallons for a bath.
- Shut off water while brushing your teeth, washing your hair and shaving and save up to 500 gallons a month.
- Use a water-efficient showerhead. They're inexpensive, easy to install, and can save you up to 750 gallons a month.
- Run your clothes washer and dishwasher only when they are full. You can save up to 1,000 gallons a month.
- Water plants only when necessary.
- Fix leaky toilets and faucets. Faucet washers are inexpensive and take only a few minutes to replace. To check your toilet for a leak, place a few drops of food coloring in the tank and wait. If it seeps into the toilet bowl without flushing, you have a leak.

Fixing it or replacing it with a new, more efficient model can save up to 1,000 gallons a month.

- Adjust sprinklers so only your lawn is watered. Apply water only as fast as the soil can absorb it and during the cooler parts of the day to reduce evaporation.
- 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!
- Visit [www.epa.gov/watersense](http://www.epa.gov/watersense) for more information.

## Source Water Protection Tips

Protection of drinking water is everyone's responsibility. You can help protect your community's drinking water source in several ways:

- Eliminate excess use of lawn and garden fertilizers and pesticides - they contain hazardous chemicals that can reach your drinking water source.
- Pick up after your pets.
- If you have your own septic system, properly maintain your system to reduce leaching to water sources or consider connecting to a public water system.
- Dispose of chemicals properly; take used motor oil to a recycling center.
- Volunteer in your community. Find a watershed or wellhead protection organization in your community and volunteer to help. If there are no active groups, consider starting one. Use EPA's Adopt Your Watershed to locate groups in your community, or visit the Watershed Information Network's How to Start a Watershed Team.
- Organize a storm drain stenciling project with your local government or water supplier. Stencil a message next to the street drain reminding people "Dump No Waste - Drains to River" or "Protect Your Water." Produce and distribute a flyer for households to remind residents that storm drains dump directly into your local water body.

## 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. City of Water Valley 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.

Contaminant	MCLG or MHDLG	MCL or MRDL	Year	Range Low   High	Sample Data	Violation	Typical Source
<b>Disinfection By-Products</b>							
Chlorine (as Cl <sub>2</sub> ) (ppm)	4	4	1.06	0.84   1.06	2009	No	Water additive used to control microbes
<b>Microbial Contaminants</b>							
Nitrite (measured as Nitrogen) (ppm)	10	10	0.77	0.62   0.77	2009	No	Pinoff from fertilizer use, Leaching from septic tanks, sewage; Erosion of natural deposits
<b>Organic Chemical Contaminants</b>							
Xylenes (ppm)	10	10	0.00058	ND   0.000508	2009	No	Discharge from petroleum facilities; Discharge from chemical factories

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

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 disinfectant 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:

Contact Name: Morris Sarette  
Address:  
MS 38965  
Phone: 662-473-2431

The Mississippi State Department of Health requires that this report will either be published in the local paper or mailed to individual customers. No copy of this report will be mailed to customers.

**PROOF OF PUBLICATION  
OF NOTICE**

**State of Mississippi  
Yalobusha County**

Before me, BETTY K. SHEARER, Notary Public of said County, this day came David Howell, who stated on oath that he is the Editor and Publisher of the **North Mississippi Herald**, a public newspaper publishing and having a general circulation in the City of Water Valley, said County and State, and made oath further that advertisement, of which a copy as printed is annexed, was published in said newspaper for 1 consecutive weeks in its issues numbered and dated as follows, to-wit:

- Vol. 122 No. 9 Dated the 3 of June 2010
- Vol. \_\_\_ No. \_\_\_ Dated the \_\_\_ of \_\_\_ 20\_\_
- Vol. \_\_\_ No. \_\_\_ Dated the \_\_\_ of \_\_\_ 20\_\_
- Vol. \_\_\_ No. \_\_\_ Dated the \_\_\_ of \_\_\_ 20\_\_
- Vol. \_\_\_ No. \_\_\_ Dated the \_\_\_ of \_\_\_ 20\_\_

Affiant further states that he has examined the foregoing 1 issues of said newspaper, that the attached Notice appeared in each of said 1 as aforesaid of said newspaper.

*David Howell*  
\_\_\_\_\_  
Editor and Publisher  
North Mississippi Herald

Sworn to and subscribed before me,  
this 3 day of June 2010  
Water Valley, Yalobusha County, Mississippi

*Betty Shearer*  
\_\_\_\_\_  
My Commission expires August 15, 2011

9 1/2 INCHES : 1 Times ..... \$438.75  
Words  
Proof of Publication ..... \$ 3.00  
Total Due ..... \$441.75

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