

MISSISSIPPI STATE DEPARTMENT OF HEALTH
BUREAU OF PUBLIC WATER SUPPLY
CCR CERTIFICATION FORM
CALENDAR YEAR 2012

RECEIVED-WATER SUPPLY

2013 JUN 25 AM 8:50

Town of Merigold

Public Water Supply Name

0060012

List PWS ID #s for all Community Water Systems included in this CCR

The Federal Safe Drinking Water Act (SDWA) 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 or delivered to the customers, published in a newspaper of local circulation, or provided to the customers upon request. Make sure you follow the proper procedures when distributing the CCR. **Since this is the first year of electronic delivery, we request you mail or fax a hard copy of the CCR and Certification Form to MSDH. Please check all boxes that apply.**

Customers were informed of availability of CCR by: *(Attach copy of publication, water bill or other)*

- Advertisement in local paper (attach copy of advertisement)
- On water bills (attach copy of bill)
- Email message (MUST Email the message to the address below)
- Other _____

Date(s) customers were informed: / /

CCR was distributed by U.S. Postal Service or other direct delivery. Must specify other direct delivery methods used _____

Date Mailed/Distributed: / /

CCR was distributed by Email (MUST Email MSDH a copy) Date Emailed: / /

- As a URL (Provide URL _____)
- As an attachment
- As text within the body of the email message

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

Name of Newspaper: Bolivar Commercial

Date Published: 06/18/13

CCR was posted in public places. *(Attach list of locations)* Date Posted: / /

CCR was posted on a publicly accessible internet site at the following address (**DIRECT URL REQUIRED**): _____

CERTIFICATION

I hereby certify that the 2012 Consumer Confidence Report (CCR) has been distributed to the customers of this public water system in the form and manner identified above and that I used distribution methods allowed by the SDWA. 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.

Aunt Dork (Operator)
Name/Title (President, Mayor, Owner, etc.)

06/24/13
Date

Deliver or send via U.S. Postal Service:
Bureau of Public Water Supply
P.O. Box 1700
Jackson, MS 39215

May be faxed to:
(601)576-7800

May be emailed to:
Melanie.Yanklowski@msdh.state.ms.us

2012 Consumer Confidence Report

Is my water safe?

We are pleased to present this year's Annual Water Quality Report (Consumer Confidence Report) as required by the Safe Drinking Water Act (SDWA). This report is designed to provide details about where your water comes from, what it contains, & how it compares to standards set by regulatory agencies. This report is a snapshot of last year's water quality. 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, & 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 & other microbial contaminants are available from the Safe Water Drinking Hotline (800-426-4791).

Where does my water come from?

Our water source is two water wells. Our wells draw water from the Sparta Sand Aquifer.

Consumer Confidence Report & Source Water Assessment Report availability

The Consumer Confidence Report & the Source Water Assessment Report will not be mailed to water system customers. However, these reports are available upon request. According to the Source Water Assessment Report (SWAP), the Final Susceptibility Assessment Ranking for both wells is Moderate. For further information, please call Albert Junkin at Merigold Town Hall, 662-748-2765.

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 & 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 & bottled water) include rivers, lakes, streams, ponds, reservoirs, springs, & wells. As water travels over the surface of the land or through the ground, it dissolves naturally occurring minerals &, in some cases, radioactive material, & can pick up substances resulting from the presence of animals or from human activity: microbial contaminants, such as viruses & bacteria, that may come from sewage treatment plants, septic systems, agricultural livestock operations, & wildlife; inorganic contaminants, such as salts & metals, which can be naturally occurring or result from urban storm water runoff, industrial, or domestic wastewater discharges, oil & gas production, mining, or farming; pesticides & herbicides, which may come from a variety of sources such as agriculture, urban storm water runoff, & residential uses; organic Chemical Contaminants, including synthetic & volatile organic chemicals, which are by-products of industrial processes & petroleum production, & can also come from gas stations, urban storm water runoff, & septic systems; & radioactive contaminants, which can be naturally occurring or be the result of oil & gas production & 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 & 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 about this report or concerning your water utility, please contact Albert Junkin at 662-748-2765.

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 meetings. They are held on the first Tuesday of each month at 6:30PM at the Town Hall.

Description of Water Treatment Process

Your water is treated by filtration & disinfection. Filtration removes particles suspended in the source water. Particles typically include clays & silts, natural organic matter, iron & manganese, & microorganisms. Your water is also treated by disinfection. Disinfection involves the addition of chlorine or other disinfectants to kill bacteria & other microorganisms (viruses, cysts, etc.) that may be in the water. Disinfection is considered to be one of the major public health advances of the 20th century.

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 & no-cost ways to conserve water. Small changes can make a big difference – try one today & 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 & shaving & save up to 500 gallons a month.
- Use a water-efficient showerhead. They're inexpensive, easy to install, & can save you up to 750 gallons a month.
- Run your clothes washer & dishwasher only when they are full. You can save up to 1,000 gallons a month.
- Water plants only when necessary.
- Fix leaky toilets & faucets. Faucet washers are inexpensive & take only a few minutes to replace. To check your toilet for a leak, place a few drops of food coloring in the tank & 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 & 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 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 & garden fertilizers & 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 & 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 & distribute a flyer for households to remind residents that storm drains dump directly into your local water body.

Other Information

*****April 1, 2013 Message from MSDH concerning Radiological Sampling*****

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 & reporting of radiological compliance samples & results until further notice. Although this was not the result of the inaction by the public water supply, MSDH was required to issue a violation. This is to notify you that as of this date, your water system has completed the monitoring requirements & is now in compliance with the Radionuclides Rule. If you have any questions, please contact Karen Walters, Director of Compliance & Enforcement, 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 & young children. Lead in drinking water is primarily from materials & components associated with service lines & home plumbing. Town of Merigold 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, & 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

In order to ensure that tap water is safe to drink, EPA prescribes regulations which limit the amount of contaminants in water provided by public water systems. The table below lists all of the drinking water contaminants that we detected during the calendar year of this report. Although many more contaminants were tested, only those substances listed below were found in your water. All sources of drinking water contain some naturally occurring contaminants. At low levels, these substances are generally not harmful in our drinking water. Removing all contaminants would be extremely expensive, & in most cases, would not provide increased protection of public health. A few naturally occurring minerals may actually improve the taste of drinking water & have nutritional value at low levels. 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 vary significantly from year to year, or the system is not considered vulnerable to this type of contamination. As such, some of our data, though representative, may be more than one year old. In this table you will find terms & abbreviations that might not be familiar to you. To help you better understand these terms, we have provided the definitions below the table.

Contaminants	MCLG or MRDLG	MCL, TT, or MRDL	Your Water	Range		Sample Date	Violation	Typical Source
				Low	High			
Disinfectants & Disinfectant 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	2.9	2.3	2.8	2012	No	Water additive used to control microbes
TTHMs [Total Trihalomethanes] (ppb)	NA	80	10.61	NA		2011	No	By-product of drinking water disinfection
Haloacetic Acids (HAA5) (ppb)	NA	60	7	NA		2011	No	By-product of drinking water chlorination
Inorganic Contaminants								
Arsenic (ppb)	0	10	0.6	0.6	0.6	2011	No	Erosion of natural deposits; Runoff from orchards; Runoff from glass & electronics production wastes
Barium (ppm)	2	2	0.0075	0.0065	0.0075	2011	No	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits
Fluoride (ppm)	4	4	0.266	0.23	0.266	2011	No	Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from fertilizer & aluminum factories
Selenium (ppb)	50	50	2.5	ND	2.5	2011	No	Discharge from petroleum & metal refineries; Erosion of natural deposits; Discharge from mines
Cyanide [as Free Cn] (ppb)	200	200	23.46	ND	23.46	2011	No	Discharge from plastic & fertilizer factories; Discharge from steel/metal factories
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	0.6	2011	0	No	Corrosion of household plumbing systems; Erosion of natural deposits	
Lead - action level at consumer taps (ppb)	0	15	2	2011	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.

<u>Contaminants</u>	<u>MCLG or MRDLG</u>	<u>MCL or MRDL</u>	<u>Your Water</u>	<u>Violation</u>	<u>Typical Source</u>
Alpha emitters (pCi/L)	0	15	ND	No	Erosion of natural deposits
Radium (combined 226/228) (pCi/L)	0	5	ND	No	Erosion of natural deposits
Uranium (ug/L)	0	30	ND	No	Erosion of natural deposits
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

<u>Term</u>	<u>Definition</u>
ug/L	ug/L : Number of micrograms of substance in one liter of water
ppm	ppm: parts per million, or milligrams per liter (mg/L)
ppb	ppb: parts per billion, or micrograms per liter (µg/L)
pCi/L	pCi/L: picocuries per liter (a measure of radioactivity)
NA	NA: not applicable
ND	ND: Not detected
NR	NR: Monitoring not required, but recommended.

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 & Exemptions	Variances & 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:

Contact Name: Albert Junkin
 Address: POB 348, Merigold, MS 38759
 Phone: 662-748-2765
 Fax: 662-748-2670

PROOF OF PUBLICATION

2013 JUN 25 AM 8:50

**STATE OF MISSISSIPPI,
COUNTY OF BOLIVAR.**

Personally appeared before me, the undersigned authority in and for the County of Bolivar, State of Mississippi, DIANE MAKAMSON, Publisher of THE BOLIVAR COMMERCIAL, daily newspaper and published in the City of Cleveland, in said Country and State who, on oath, deposes and says that The Bolivar Commercial 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 1958 of the Miss. Code of 1942, and that the publication of which the instrument annexed is a true copy, was published in said paper, to wit:

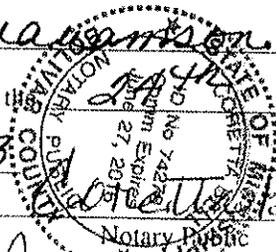
In Volume	<u>97</u>	No. <u>98</u>	Dated <u>June 18</u>	20 <u>13</u>
In Volume	_____	No. _____	Dated _____	20 _____
In Volume	_____	No. _____	Dated _____	20 _____
In Volume	_____	No. _____	Dated _____	20 _____
In Volume	_____	No. _____	Dated _____	20 _____
In Volume	_____	No. _____	Dated _____	20 _____

and that said newspaper "has been established for at least twelve months next prior to the first publication" of this notice.

Diane Makamson Publisher

Sworn to and subscribed before me this the _____

day of June, 20 13



Diane Makamson
Notary Public

My Commission expires June 27, 2016

Publishers's Fee \$ _____

Town of Merigold
PWS ID#0060012
2012 Consumer Confidence Report

Is it Safe to Drink?

We are pleased to present this year's Annual Water Quality Report (Consumer Confidence Report) as required by the Safe Drinking Water Act (SDWA). This report is designed to provide details about where your water comes from, what it contains, & how it compares to standards set by regulatory agencies. This report is a snapshot of last year's water quality. We are committed to providing you with information because informed customers are our best allies.

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Where does my water come from?

Our water source is two water wells. Our wells draw water from the Sparta Sand Aquifer.

Consumer Confidence Report & Source Water Assessment Report availability

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Other Information

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concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods, & steps you can take to minimize exposure is available from the Safe Drinking Water Hotline or at <http://www.epa.gov/safewater/lead>.

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Contaminant	MCLG	MCL	Year	Range	Sample	Violation	Typical Source		
	MRDLG	of	Water	Low	Date				
		Year		High					
Disinfection By-Products									
Chlorine (as Cl ₂) (ppm)	4	4	2.9	2.3	2.8	2012	No	Water additive used to control microbes	
THMs (Total Trihalomethanes) (ppb)	NA	80	10.61	NA		2011	No	By-product of drinking water disinfection	
Halooxetic Acids (HAA5) (ppb)	NA	60	7	NA		2011	No	By-product of drinking water chlorination	
Inorganic Contaminants									
Arsenic (ppb)	0	10	0.6	0.6	0.6	2011	No	Erosion of natural deposits; Runoff from orchards; Runoff from glass & electronics production wastes	
Barium (ppm)	2	2	0.0075	0.0065	0.0075	2011	No	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits	
Fluoride (ppm)	4	4	0.266	0.23	0.266	2011	No	Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from fertilizer & aluminum factories	
Selenium (ppb)	50	50	2.5	ND	2.5	2011	No	Discharge from petroleum & metal refineries; Erosion of natural deposits; Discharge from mines	
Cyanide (as Free Cn) (ppb)	200	200	23.46	ND	23.46	2011	No	Discharge from plastic & fertilizer factories; Discharge from steel/metal factories	
Organic Contaminants									
Copper - action level at consumer taps (ppm)	1.3	1.3	0.6			2011	0	No	Corrosion of household plumbing systems; Erosion of natural deposits
Lead - action level at consumer taps (ppb)	0	15	2			2011	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.

Contaminant	MCLG	MCL	Year	Violation	Typical Source
	MRDLG	of	Water		
		Year			
Alpha emitters (pCi/L)	0	15	ND	No	Erosion of natural deposits
Radium (combined 226/228) (pCi/L)	0	5	ND	No	Erosion of natural deposits
Uranium (ug/L)	0	30	ND	No	Erosion of natural deposits
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

Term	Definition
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Term	Definition
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Variances & Exemptions	Variances & 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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