

MISSISSIPPI STATE DEPARTMENT OF HEALTH
BUREAU OF PUBLIC WATER SUPPLY

2014 JUN 30 PM 2: 23

CCR CERTIFICATION
CALENDAR YEAR 2013

Town of Sunflower
Public Water Supply Name

670012

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. **You must mail, fax or email a copy of the CCR and Certification 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: 06/19/14, 06/18/14, 06/23/14

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

Date Mailed/Distributed: 06/23/14

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: Enterprise Tassin

Date Published: 06/19/14

CCR was posted in public places. *(Attach list of locations)* Date Posted: 06/18/14

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

CERTIFICATION

I hereby certify that the 2013 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.

Wendy Stewart Mayor
Name/Title (President, Mayor, Owner, etc.)

6/24/14
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

6/1/14

Town of Sunflower
PWS ID#0670012
2013 Consumer Confidence Report

2014 JUN 11 PM 12: 29

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?

According to the Source Water Assessment from MDEQ Office of Land & Water PWS Reports, this system draws water from the Winona-Tallahatta Aquifer, the Sparta System Aquifer, & the Meridian Upper Wilcox Aquifer.

Consumer Confidence Report & Source Water Assessment availability

The Consumer Confidence & the Source Water Assessment will not be mailed to water system customers but is available upon request. The Source Water Assessment shows our wells were ranked MODERATE in terms of susceptibility to contamination.

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 waste water 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?

The regularly scheduled board meeting is held the 2nd Tuesday of every month at 7:00 P.M. at 103 E. Quiver St. in Sunflower, MS at town hall.

The Town of Sunflower works to provide top quality water to every tap. We ask that all our customers help us protect our water sources, which are the heart of our community, our way of life & our children's future.

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 Sunflower 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>.

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.

<u>Contaminants</u>	<u>MCLG</u> or <u>MRDLG</u>	<u>MCL,</u> <u>TT, or</u> <u>MRDL</u>	<u>Your</u> <u>Water</u>	<u>Range</u> <u>Low</u> <u>High</u>		<u>Sample</u> <u>Date</u>	<u>Violation</u>	<u>Typical Source</u>
Disinfectants & Disinfectant By-Products								
(There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants)								
Haloacetic Acids (HAA5) (ppb)	NA	60	41	NA		2013	No	By-product of drinking water chlorination
Chlorine (as Cl ₂) (ppm)	4	4	1.1	0.2	1.95	2013	No	Water additive used to control microbes
TTHMs [Total Trihalomethanes] (ppb)	NA	80	47.5	NA		2013	No	By-product of drinking water disinfection
Inorganic Contaminants								
Barium (ppm)	2	2	0.0401	0.004 2	0.0401	2013	No	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits
Fluoride (ppm)	4	4	0.355	0.166	0.355	2013	No	Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from fertilizer & aluminum factories
Cyanide [as Free Cn] (ppb)	200	200	25	ND	25	2013	No	Discharge from plastic & fertilizer factories; Discharge from steel/metal factories
Radioactive Contaminants								
Alpha emitters (pCi/L)	0	15	1.2	0.6	1.2	2012	No	Erosion of natural deposits
<u>Contaminants</u>	<u>MCLG</u>	<u>AL</u>	<u>Your</u> <u>Water</u>	<u>Sample</u> <u>Date</u>	<u># Samples</u> <u>Exceeding AL</u>	<u>Exceeds</u> <u>AL</u>	<u>Typical Source</u>	
Inorganic Contaminants								
Copper - action level at consumer taps (ppm)	1.3	1.3	0.4	2011	0	No	Corrosion of household plumbing systems; Erosion of natural deposits	
Lead - action level at consumer taps (ppb)	0	15	4	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</u> or <u>MRDLG</u>	<u>MCL</u> or <u>MRDL</u>	<u>Your</u> <u>Water</u>	<u>Violation</u>	<u>Typical Source</u>
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

Chromium (ppb)	100	100	ND	No	Discharge from steel & pulp mills; Erosion of natural deposits
Mercury [Inorganic] (ppb)	2	2	ND	No	Erosion of natural deposits; Discharge from refineries & factories; Runoff from landfills; Runoff from cropland
Benzene (ppb)	0	5	ND	No	Discharge from factories; Leaching from gas storage tanks & landfills
Ethylbenzene (ppb)	700	700	ND	No	Discharge from petroleum refineries
Styrene (ppb)	100	100	ND	No	Discharge from rubber & plastic factories; Leaching from landfills
Vinyl Chloride (ppb)	0	2	ND	No	Leaching from PVC piping; Discharge from plastics factories
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

Unit Descriptions

Term	Definition
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

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 & 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: Mayor Stewart
Address: POB 127 (103 E. Quiver St.), Sunflower, MS 38778
Phone: 662-569-3388
Fax: 662-569-3711

Town of Sunflower
PHS 10407012

2013 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 regulating 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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Consumer Confidence Report and Water Assessment availability: The Consumer Confidence & the Source Water Assessment will not be mailed to water system customers but is available upon request. The Source Water Assessment shows our wells were ranked MODERATE in terms of susceptibility to contamination.

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Test Results

Contaminant	MCL or MMDG	MCL, TT, or MROL	Your Water	Low Range	High Range	Sample Date	Violation	Typical Source
Disinfectants & Disinfection By-Products								
<i>(There is a strong evidence that addition of a disinfectant is necessary for control of microbial contaminants)</i>								
Haloacetic Acids (HAA5) (ppm)	NA	50	43	NA	NA	2013	No	By-product of drinking water disinfection
Chlorine (as Cl ₂) (ppm)	4	4	1.1	0.2	1.95	2013	No	Water additive used to control microbes
THM5 (total trihalomethanes) (ppm)	NA	80	47.5	NA	NA	2013	No	By-product of drinking water disinfection
Inorganic Contaminants								
Barium (ppm)	2	2	0.0401	0.0402	0.0403	2013	No	Discharge of drinking water, Discharge from natural deposits, Erosion of natural deposits
Fluoride (ppm)	4	4	0.350	0.148	0.355	2013	No	Erosion of natural deposits, Water additive which benefits strong teeth, Discharge from fertilizers & herbicides/pesticides

67112

Contaminant	200	200	15	ND	25	2013	No	Discharge from plastic & fertilizer factories, Discharge from residential factories
Radioactive Contaminants								
Radon (pCi/L)	0	15	1.0	0.6	3.2	2013	No	Discharge from plastic & fertilizer factories, Discharge from residential factories
Contaminant	MCL	AL	Your Water	Sample Date	# Samples Exceeding AL	Exceeded AL	Typical Source	
Inorganic Contaminants								
Copper - action level at consumer tap (ppm)	1.3	1.3	0.4	2013	0	No	Corrosion of household plumbing systems, erosion of natural deposits	
Lead - action level at consumer tap (ppm)	0	15	4	2013	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.								
Nitrate (measured as nitrogen) (ppm)	10	10	ND	ND	ND	ND	Runoff from fertilizer use, Leaching from septic tanks, sewage, Erosion of natural deposits	
Nitrite (measured as nitrogen) (ppm)	1	1	ND	ND	ND	ND	Runoff from fertilizer use, Leaching from septic tanks, sewage, Erosion of natural deposits	
Chromium	100	100	ND	ND	ND	ND	Discharge from steel & pulp mills, Erosion of natural deposits	
Mercury (inorganic) (ppm)	2	2	ND	ND	ND	ND	Erosion from natural deposits; Discharge from refineries & factories, runoff from landfills, runoff from cropland	
Benzene (ppm)	0	5	ND	ND	ND	ND	Discharge from factories, Leaching from gas storage tanks & landfills	
Ethylbenzene (ppm)	700	700	ND	ND	ND	ND	Discharge from petroleum refineries	
Toluene (ppm)	100	100	ND	ND	ND	ND	Discharge from rubber & plastic factories, Leaching from landfills	
Vinyl Chloride (ppm)	0	2	ND	ND	ND	ND	Leaching from PVC piping, Discharge from plastic factories	
Radium (combined 226&228) (pCi/L)	0	5	ND	ND	ND	ND	Erosion from natural deposits	
Uranium (ppm)	0	30	ND	ND	ND	ND	Erosion from natural deposits	
Unit Descriptions								
Term	Definition							
MCL	Maximum Contaminant Level: The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLs allow for a margin of safety.							
MCLG	Maximum Contaminant Level Goal: The highest level of a contaminant that is allowed in drinking water. MCLGs are set as close to the MCLs as is feasible using the best available treatment technology.							
TT	Treatment Technique: A required process intended to reduce the level of a contaminant in drinking water.							
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.							
MMDG	Maximum Residual Disinfection Level Goal: The level of a drinking water disinfectant below which there is no known or expected risk to health. MMDGs do not reflect the benefits of the use of disinfectants to control microbial contaminants.							
MMDL	Maximum Residual Disinfection Level: The highest level of a disinfectant allowed in drinking water. There is strong evidence that addition of a disinfectant is necessary for control of microbial contaminants.							
MNR	Monitored not regulated							
MPL	State Assigned Maximum Permissible Level							
Important Drinking Water Definitions								
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For more information please contact:								
Mayor Stewart POB 127 (E. Quiver St.), Sunflower, MS 38778 Phone: 662-569-3388 662-569-3711								



TOWN OF SUNFLOWER
 P.O. BOX 127
 SUNFLOWER, MS 38778-0127
 (662) 589-3388

FIRST CLASS MAIL
 U.S. POSTAGE
 PAID
 SUNFLOWER, MS 38778
 PERMIT NO. 1

TYPE OF SERVICE	METER READING		USED	CHARGES
	PRESENT	PREVIOUS		
Water	447410	438690	8,720	23.42
Sewage				15.36
Garbage				15.00

6/17

CONSUMER	PAYOR'S ACCOUNT
238	7/10/14
NET AMOUNT TO BE PAID	AMOUNT TO BE PAID
53.78	58.78

MAIL THIS STUB WITH YOUR PAYMENT

113 HAMPTON ROAD

Service From 05/15/2014 TO 05/16/2014 ACCOUNT 238 6/20/14

METER NO.	DATE	CLD	TOTAL DUE	LATE CHARGE	PAID FOR AMOUNT
6	16	1	53.78	5.00	58.78

WILLIAM GLOVER
 113 HAMPTON ST.
 SUNFLOWER MS 38778-0205

The Consumer Confidence Report (CCR) is now available for review at Town Hall.