

Mississippi State Department of Health
Division of Water Supply

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DIVISION OF WATER SUPPLY
2015 JUL -1 AM 8:34

Calendar Year 2015 Consumer Confidence Report Certification Form

Town of Sunflower
Public Water Supply Name

0670012

PWS ID#(s) (List ID #s for all Water Systems Covered by This CCR)

The Federal Safe Drinking Water Act required 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:

Advertisement in local paper

On water bills

Other

Date Customers were informed: 6 / 22 / 15

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

Date Distributed: / /

CCR was published in local newspaper. (Attach a copy of published CCR & proof of publication)

Name of Newspaper: Enterprise Tocsin

Date Published: 7 / 2 / 15

CCR was posted in public places. Locations: Town Hall 103 E Quiver Street Sunflower, MS 38778

Date Posted: 6 / 15 / 15

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, Division of Water Supply.

Wendy Stewart, Mayor

Name/Title (President, Mayor, Owner, etc.) (Please type/print)

Wendy Stewart

Signature

6/26/15

Date

Mail Completed Form to: Division of Water Supply/POB 1700/Jackson, MS 39215

2015 JUL 28 AM 8:18

Town of Sunflower
PWS ID#0670012
Corrected 2014 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?

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.

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.

Cross Connection Control Survey

The purpose of this survey is to determine whether a cross-connection may exist at your home or business. A cross connection is an unprotected or improper connection to a public water distribution system that may cause contamination or pollution to enter the system. We are responsible for enforcing cross-connection control regulations & insuring that no contaminants can, under any flow conditions, enter the distribution system. If you have any of the devices listed below please contact us so that we can discuss the issue, & if needed, survey your connection & assist you in isolating it if that is necessary.

- Boiler/ Radiant heater (water heaters not included)
- Underground lawn sprinkler system
- Pool or hot tub (whirlpool tubs not included)
- Additional source(s) of water on the property
- Decorative pond
- Watering trough

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.

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>.

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.

<u>Contaminants</u>	<u>MCLG</u> or <u>MRDLG</u>	<u>MCL</u> , 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 & 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	1.2	0.2	1.46	2014	No	Water additive used to control microbes
Haloacetic Acids (HAA5) (ppb)	NA	60	41	NA		2013	No	By-product of drinking water chlorination
TTHMs [Total Trihalomethanes] (ppb)	NA	80	47.5	1.28	47.5	2013	No	By-product of drinking water disinfection
Inorganic Contaminants								
Cyanide [as Free Cn] (ppb)	200	200	25	NA		2013	No	Discharge from plastic and fertilizer factories; Discharge from steel/metal factories
Barium (ppm)	2	2	0.0401	NA		2013	No	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits
Fluoride (ppm)	4	4	0.166	NA		2013	No	Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from fertilizer & aluminum 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								
Lead - action level at consumer taps (ppb)	0	15	5	2014	0	No	Corrosion of household plumbing systems; Erosion of natural deposits	
Copper - action level at consumer taps (ppm)	1.3	1.3	0.4	2014	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>
Chromium (ppb)	100	100	ND	No	Discharge from steel & pulp mills; 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

Nitrate [measured as Nitrogen] (ppm)	10	10	ND	No	Runoff from fertilizer use; Leaching from septic tanks, sewage; 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
Vinyl Chloride (ppb)	0	2	ND	No	Leaching from PVC piping; Discharge from plastics factories
Benzene (ppb)	0	5	ND	No	Discharge from factories; Leaching from gas storage tanks & landfills
Styrene (ppb)	100	100	ND	No	Discharge from rubber & plastic factories; Leaching from landfills
Ethylbenzene (ppb)	700	700	ND	No	Discharge from petroleum refineries
Mercury [Inorganic] (ppb)	2	2	ND	No	Erosion of natural deposits; Discharge from refineries and factories; Runoff from landfills; Runoff from cropland

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
PWS ID#0670012
2014 Consumer Confidence Report

2015 JUL -1
WATER SUPPLY

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Source Water Protection Tips

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- 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.

Significant Deficiencies

Monitoring & compliance data violations

During a sanitary survey conducted on 3/3/2011, the Mississippi State Dept. of Health cited the following significant deficiency(s): G400 Inadequate internal cleaning/maintenance of storage tanks.

Corrective actions: This system has entered into a Bilateral Compliance Agreement with MSDH to correct this deficiency by 9/30/15.

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>.

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<u>Contaminants</u>	<u>MCLG or MRDLG</u>	<u>MCL, TT, or MRDL</u>	<u>Your Water</u>	<u>Range</u> <u>Low</u> <u>High</u>		<u>Sample 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)								
Chlorine(as Cl ₂) (ppm)	4	4	1.2	0.2	1.46	2014	No	Water additive used to control microbes
<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>	
Inorganic Contaminants								
Lead - action level at consumer taps (ppb)	0	15	5	2014	0	No	Corrosion of household plumbing systems; Erosion of natural deposits	
Copper - action level at consumer taps (ppm)	1.3	1.3	0.4	2014	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>
Cyanide [as Free Cn] (ppb)	200	200	ND	No	Discharge from plastic & fertilizer factories; Discharge from steel/metal factories
Haloacetic Acids (HAA5) (ppb)	ND	60	ND	No	By-product of drinking water chlorination
Barium (ppm)	2	2	ND	No	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits
Chromium (ppb)	100	100	ND	No	Discharge from steel & pulp mills; Erosion of natural deposits
Fluoride (ppm)	4	4	ND	No	Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from fertilizer & aluminum factories
Nitrite [measured as Nitrogen] (ppm)	1	1	ND	No	Runoff from fertilizer use; Leaching from septic tanks, sewage; 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
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
TTHMs [Total Trihalomethanes] (ppb)	ND	80	ND	No	By-product of drinking water disinfection
Uranium (ug/L)	0	30	ND	No	Erosion of natural deposits

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

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)
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NA	NA: not applicable
ND	ND: Not detected
NR	NR: Monitoring not required, but recommended.

Important Drinking Water Definitions

Term	Definition
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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

67110

AFFIDAVIT OF PUBLICATION

STATE OF MISSISSIPPI
COUNTY OF SUNFLOWER
CITY OF INDIANOLA:

WATER SUPPLY
2015 JUL 29 AM 8:12

Personally appeared before me, a Notary Public, in and for said County and State,
Victoria R. O'Bannon, of The Enterprise-Tocsin, a newspaper
published in said City, County and State, who upon being duly sworn, deposes and
says: The notice, of which a copy is hereunto annexed,

was published in said newspaper 1 weeks, as follows:

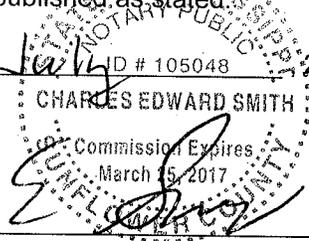
<u>02</u> Day of <u>July</u> , 20 <u>15</u>	Vol. <u>CXXIX</u> , No. <u>27</u>
_____ Day of _____, 20 _____	Vol. _____, No. _____
_____ Day of _____, 20 _____	Vol. _____, No. _____
_____ Day of _____, 20 _____	Vol. _____, No. _____
_____ Day of _____, 20 _____	Vol. _____, No. _____

Signed: Victoria R. O'Bannon

And I further certify that I have examined the several copies of The Enterprise-Tocsin,
above referred to, and find that the said notice has been published as stated.

Subscribed and sworn to, before me this 9 day of July, 20 15

Cost: \$ 603.90


Charles Edward Smith



TOWN OF SUNFLOWER
 P.O. BOX 127
 SUNFLOWER, MS 38778-0127
 (662) 569-3388

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

TYPE OF SERVICE	METER READING		USED	CHARGES
	PRESENT	PREVIOUS		
Water	106020	105200	820	15.00
Sewage				15.00

CUSTOMER		PAY GROSS AMOUNT AFTER THIS DATE
ROUTE	ACCOUNT	
1	391	7/10/15
NET AMOUNT TO BE PAID		GROSS AMOUNT TO BE PAID
30.00		35.00

MAIL THIS STUB WITH YOUR PAYMENT.

110 STOCKYARD ST.-APT.#15

Service From 05/14/2015 TO 06/16/2015 ACCOUNT 391 6/26/15

METER READ		CLASS	TOTAL DUE UPON RECEIPT	LATE CHARGE AFTER DUE DATE	PAST DUE AMOUNT
MONTH	DAY				
6	16	1	30.00	5.00	35.00

WILLIE STEWART
 110 STOCKYARD - APT.#15
 SUNFLOWER MS 38778

JUL 11 AM 10:34
 WATER UTIL

The 2014 Consumer Confidence Report (CCR)
 is now available at Sunflower Town Hall.