# BUREAU OF PUBLIC WATER SUPPLY 2014 MAY 30 PM 3: 3!

### 2013 CONSUMER CONFIDENCE REPORT CERTIFICATION FORM

TOWN OF OSYKA
Public Water Supply Name

570010
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.

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

#### Please Answer the Following Questions Regarding the Consumer Confidence Report

X O	dvertisement in local paper on water bills other		
Date customers v	were informed: 5 / 14 / 14	<b>-</b> e	
CCR was distrib	uted by mail or other direct delivery	y. Specify other direct delivery methods:	
Date Mailed/Distri	buted://		
CCR was published  Name of Newspape  Date Published:		polished CCR or proof of publication)	
-	public places. (Attach list of locations)	1.Osyka Post Office 2.Town Hall 3. First Bank	
		address: www	<del>-</del> 5.
<u>CERTIFICATION</u>			
the form and manner ident consistent with the water	tified above. I further certify that the in	n distributed to the customers of this public water synformation included in this CCR is true and corrected the public water system officials by the Mississip	ct and
Name/Title (President, Ma	Mayor nyor, Owner, etc.)	5-8-14_ Date	_
Mail Comp	oleted Form to: Bureau of Public Water Phone: 601-57	Supply/P.O. Box 1700/Jackson, MS 39215 76-7518	

# CORRECTED CCR 2013 ANNUAL DRINKING WATER QUALITY REPORT TOWN OF OSYKA

#### 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, and 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, 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 source is from two wells drawing from the miocen series aguifer.

#### Source water assessment and its availability

No information available at this time.

#### 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?

You are invited to attend our monthly Board Meeting on the first Thursday night of each month at 6 p.m. The meeting is held at Town Hall. You may contact Mayor Allen Applewhite at Town Hall 601-542-5041.

#### **Description of Water Treatment Process**

Your water is treated by disinfection. Disinfection involves the addition of chlorine or other disinfectant to kill dangerous bacteria and microorganisms 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 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 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 and 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, and if needed, survey your connection and 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 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.

#### Significant Deficiencies

During a sanitary survey conducted on 11/15/2012, the Mississippi State Department of Health

cited the following significant deficiency(s): Corrective actions: This system has entered into a Bilateral Compliance Agreement with MSDH to correct this deficiency by 12/31/2014

#### **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. TOWN OF OSYKA 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**

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, and in most cases, would not provide increased protection of public health. A few naturally occurring minerals may actually improve the taste of drinking water and 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 and 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>	MCLG or MRDLG	MCL, TT, or MRDL	Your <u>Water</u>	M DO	nge High	Sample <u>Date</u>	<u>Violation</u>	Typical Source
Disinfectants & Disi	nfectant By	-Produc	ts			1201		
(There is convincing e	vidence tha	t addition	of a disi	nfecta	nt is ne	cessary fo	r control of	microbial contaminants)
Chlorine (as Cl2) (ppm)	4	4	1.7	NA		2013	No	Water additive used to control microbes
Inorganic Contamin	ants		Sport and	YS THE		13/10		
Barium (ppm)	2	2	0.0414	NA		2013	No	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits

Contaminants Inorganic Contamina	MCLG	AL	Water	Date	e HO	Exceeding A	L A	L Typical Source
		eurs e	Your	Samp	le	# Samples	Exce	
Chromium (ppb)	100	100	0.5	NA		2013	No	Discharge from steel and pulp mills; Erosion of natural deposits
Beryllium (ppb)	4	4	0.5	NA		2013	No	Discharge from metal refineries and coal-burning factories; Discharge from electrical, aerospace, and defense industries
Arsenic (ppb)	0	10	0.5	NA		2013	No	Erosion of natural deposits; Runoff from orchards; Runoff from glass and electronics production wastes
Antimony (ppb)	6	6	0.0005	NA		2013	No	Discharge from petroleum refineries; fire retardants; ceramics; electronics; solder; test addition.
Nitrite [measured as Nitrogen] (ppm)	1	1	0.02	NA		2013	No	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits
Nitrate [measured as Nitrogen] (ppm)	10	10	0.32	NA		2013	No	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits
Thallium (ppb)	0.5	2	0.5	NA		2013	No	Discharge from electronics, glass, and Leaching from ore- processing sites; drug factories
Selenium (ppb)	50	50	2.5	NA		2013	No	Discharge from petroleum and metal refineries; Erosion of natural deposits; Discharge from mines
Mercury [Inorganic] (ppb)	2	2	0.5	NA		2013	No	Erosion of natural deposits; Discharge from refineries and factories; Runoff from landfills; Runoff from cropland
Fluoride (ppm)	4	4	0.1	NA		2013	No	Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from fertilizer and aluminum factories
Cadmium (ppb)	5	5	0.5	NA		2013	No	Corrosion of galvanized pipes Erosion of natural deposits; Discharge from metal refineries; runoff from waste batteries and paints
Cyanide [as Free Cn] (ppb)	200	200	0.015	NA		2013	No	Discharge from plastic and fertilizer factories; Discharge from steel/metal factories

Lead - action level at consumer taps (ppb)	0	15	7	2009	0	No	Corrosion of household plumbing systems; Erosion of natural deposits
Copper - action level at consumer taps (ppm)	1.3	1.3	0.01	2009	0	No	Corrosion of household plumbing systems; Erosion of natural deposits

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 Definition	
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 leve 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 and Exemptions	Variances 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:

Contact Name: WILLIAM GILL

Address:

215 LIBERTY STREET; EAST

OSYKA, MS 39657 Phone: 601-542-5041 Fax: 601-542-5832

E-Mail: oskams1@aol.com

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#### Source water assessment and its availability

No information available at this time.

#### Why are there contaminants in my drinking water?

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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.

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- 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.

#### Significant Deficiencies

During a sanitary survey conducted on 11/18/2012, the Mississippi State Department of Health cited the following significant deficiency: 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 12/31/2014

#### **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. TOWN OF OSYKA 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.

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Contaminants	MCLG or MRDLG	MCL, TT, or	Your		nge High	Sample <u>Date</u>	Violation	Typical Source
Disinfectants & Disin				LOW	men	Date	VIOIATION	Typicar Source
	(There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants)							
Chlorine (as Cl2) (ppm)	4	4	1.7	NA		2013	No	Water additive used to control microbes
Inorganic Contamina	ants		War.	Medi		18 17 A	1200	
Barium (ppm)	2	2	2	NA		2013	No	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits
Cyanide [as Free Cn] (ppb)	200	200	0.015	NA		2013	No	Discharge from plastic and fertilizer factories; Discharge from steel/metal factories



Lead - action level at consumer taps (ppb)	0	15	7	2009	0	No	Corrosion of household plumbing systems; Erosion of natural deposits
Inorganic Contamin	ants	N VC		The Park			
Contaminants	MCLG	AL	Water	Date	Exceeding AI	A STATE OF THE STA	Typical Source
Nitrite [measured as Nitrogen] (ppm)	1	1	0.02	NA Sample	2013 # Samples	No	Leaching from septic tanks, sewage; Erosion of natural deposits
Nitrate [measured as Nitrogen] (ppm)	10	10	10	NA	2013	No	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits Runoff from fertilizer use;
Thallium (ppb)	0.5	2	0.5	NA	2013	No	Discharge from electronics, glass, and Leaching from ore- processing sites; drug factories
Selenium (ppb)	50	50	2.5	NA	2013	No	Discharge from petroleum and metal refineries; Erosion of natural deposits; Discharge from mines
Mercury [Inorganic] (ppb)	2	2	0.5	NA	2013	No	Erosion of natural deposits; Discharge from refineries and factories; Runoff from landfills; Runoff from cropland
Fluoride (ppm)	4	4	0.1	NA	2013	No	Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from fertilizer and aluminum factories
Chromium (ppb)	100	100	0.5	NA	2013	No	Discharge from steel and pulp mills; Erosion of natural deposits
Cadmium (ppb)	5	5	0.5	NA	2013	No	Corrosion of galvanized pipes Erosion of natural deposits; Discharge from metal refineries; runoff from waste batteries and paints
Beryllium (ppb)	4	4	0.5	NA	2013	No	Discharge from metal refineries and coal-burning factories; Discharge from electrical, aerospace, and defense industries
Arsenic (ppb)	0	10	0.5	NA	2013	No	Erosion of natural deposits; Runoff from orchards; Runoff from glass and electronics production wastes
Antimony (ppb)	6	6	0.0005	NA	2013	No	Discharge from petroleum refineries; fire retardants; ceramics; electronics; solder; test addition.

Copper - action level at consumer taps (ppm)	1.3	1.3	0.01	2009	0	No	Corrosion of household plumbing systems; Erosion of natural deposits
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Term	Definition
ppm	ppm: parts per million, or milligrams per liter (mg/L)
ppb	ppb: parts per billion, or micrograms per liter (μg/L)
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Important Drinking Water Definitions	Charles The Vigilian Control of the
Term	Definition
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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.
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Variances and Exemptions	Variances 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.
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MNR	MNR: Monitored Not Regulated
MPL	MPL: State Assigned Maximum Permissible Level

### For more information please contact:

Contact Name: WILLIAM GILL

Address:

215 LIBERTY STREET; EAST

OSYKA, MS 39657 Phone: 601-542-5041 Fax: 601-542-5832

E-Mail: oskams1@aol.com

# PROOF OF PUBLICATION

# THE STATE OF MISSISSIPPI PIKE COUNTY

	PERSONALLY appeared before me, the undersigned notary public in and for Pike County, Mississippi, An authorized clerk of THE MAGNOLIA
NOTICE TO ALL OSYKA WATER CUSTOMERS	ed in Sections 13-3-31 and 13-3-32, of the
A CONSUMER CONFIDENCE REPORT HAS BEEN EVELOPED AND IS AVAILABLE FOR ANY CUSTOMER TO VIEW UPON REQUEST.	opi Code of 1972, as amended, who, being orn, states that the notice, a true copy of hereto attached, appeared in the issues lewspaper as follows.
YOU MAY PICK UP A COPY AT OSYKA TOWN HALL	5/15 ,20_/4
S/MAYOR ALLEN APPLEWHITE	,20_
5/14/14	, 20
	rof Lines/Words by & Ze
	PublishedTimes
a .	Signed Dancy Morris
ř.	Authorized Clerk of The Magnolia Gazette
SWORN to and subscribed before me the _	2/8t day of May , 20/1
	L. D.
My Commission Explosi-	Notary Public
MOTABY PUBLIC	
Comm Expires August 25, 2014	

ENTER SUPPLY

ACCOUNT NO. SERVICE FROM SERVICE TO 020206910 04/22/ 05/19 SERVICE ADDRESS 300 FIFTH STREET; NORTH

METER READINGS
CURRENT PREVIOUS USED 5370100 3836700 533400 CHARGE FOR SERVICES

NET DUE >>> SAVE THIS >> GROSS DUE >>

RETURN THIS STUB WITH PAYMENT TO: OSYKA WATER DEPT. P.O. BOX 23 · OSYKA, MS 39657 601-542-5041

PAY NET AMOUNT ON OR BEFORE DUE DATE	DUE DATE	PAY GROSS AMOUNT AFTER DUE DATE
	06/10/2014	
NET AMOUNT	SAVE THIS	GROSS AMOUNT
.00	.00	0.0

CONSUMER CONFIDENCE REPORT AVAILABLE AT TOWN HALL

## RETURN SERVICE REQUESTED

020206910 OSYKA WATER TREATMENT BLDG 300 FIFTH STREET; NORTH

OSYKA, MS 39657

TO WATER SUPPLY

# **NOTICE TO ALL OSYKA WATER CUSTOMERS**

# A CONSUMER CONFIDENCE REPORT HAS BEEN DEVELOPED AND IS AVAILABLE FOR ANY CUSTOMER TO VIEW UPON REQUEST.

YOU MAY PICK UP A COPY AT OSYKA TOWN HALL

S/MAYOR ALLEN APPLEWHITE
5/14/14