WATER SUPPL
2015 JUN 30 AM 9: 11

MISSISSIPPI STATE DEPARTMENT OF HEALTH
BUREAU OF PUBLIC WATER SUPPLY
CCR CERTIFICATION
CALENDAR YEAR 2014

Union Water Association
Public Water Supply Name

MS 0100017
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: 05/17/15, 06/17/15, / /

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: _____

Date Published: / /

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 2014 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.

Kathryn Edwards Billing Clerk
Name/Title (President, Mayor, Owner, etc.)

June 29, 2015
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:
water.reports@msdh.ms.gov

2014 Annual Drinking Water Quality Report
Union Water Association
Public Water System ID No. MS0100017

We're very pleased to provide you with this years Annual Drinking Water Quality Report. We want to keep you informed about the excellent water and services we have delivered to you over the past year. Our goal is to provide to you a safe and dependable supply of drinking water.

Is My Water Safe?
Last year, as in years past, your tap water met all U.S. Environmental Protection Agency (EPA) and Mississippi State Department of Health (MDH) drinking water health standards. Union Water vigilantly safeguards its water supplies and once again we are proud to report that our system has never violated a Maximum Contaminant Level (MCL) or any other water quality standard.

Do I Need to Take Special Precautions?
Some people may be more vulnerable to contaminants in drinking water than the general population. 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 deep wells pumping from the Lower Wilcox Aquifer.

Source Water Assessment and Its Availability:
Our source water assessment is currently being conducted and is not available at this time. As soon as it is completed, you will be notified and copies of this assessment will be made available.

Why Are There Contaminants in 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).

Additional information on lead in drinking water: 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. Union Water Association 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 drinking 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. The Mississippi State Department of Health Laboratory offers lead testing for $10 per sample. Please contact 601-576-7582 if you wish to have your water tested.

A Message From The 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 and reporting of radiological compliance samples and results until further notice. Although this was not the result of 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 and is now in compliance with the Radionuclides Rule. If you have any questions, please contact Melissa Parker, Deputy Director, Bureau of Public Water Supply, at 601 576 7518.

How Can I Get Involved?

Our quarterly board meetings are held on the second Monday in March, June, September, and December at 7:00 PM at the well site on W. Wilson Road. The annual membership meeting is held on the second Monday in May at 7:00 p.m. at the well site on W. Wilson Road. We encourage all members who have any questions or concerns to meet with us.

Contact Information:

Tommy Edwards - Union Water Association • 170 W Wilson Rd. • Eupora, MS 39744 • (662) 258-4758, (662) 312-2452 or edderds@yahoo.com

Water Quality Data Table

The table below lists all of the drinking water contaminants that we detected during the calendar year of this report. The presence of contaminants in the water does not necessarily indicate the water poses a health risk. Unless otherwise noted, the data presented in this table is from the 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 concentration of these contaminants do not change frequently.

Contaminant	Violation	Sample Date	Level Detected	Range of Detects or # of Samples Exceeding MCL/AL	Unit of Measure	MCLG or MRDLG	MCL TT or MRDL	Typical Source of Contamination
Inorganic Contaminants								
1010. Barium	No	2014	0.0123	No Range	ppm	2	2	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
1005. Arsenic	No	2014	<0.0005	No Range	ppm		0.10	Erosion of natural deposits; runoff from orchards; runoff from glass and electronics production wastes
1125. Fluoride	No	2014	0.1	No Range	ppm	4	4	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories
1074. Antimony	No	2014	<0.0005	No Range	ppm		0.006	Discharge from petroleum refineries; fire retardants; ceramics; electronics; solder; test addition
1075. Beryllium	No	2014	<0.0005	No Range	ppm		0.004	Discharge from metal refineries and coal burning factories; discharge from electrical, aerospace, and defense industries
1015. Cadmium	No	2014	<0.0005	No Range	ppm		0.005	Corrosion of galvanized pipes; erosion of natural deposits; discharge from metal refineries; runoff from waste batteries and paint
1020. Chromium	No	2014	<0.0029	No Range	ppm		0.1	Discharge from steel and pulp mills; erosion of natural deposits
1035. Mercury	No	2014	<0.0005	No Range	ppm		0.002	Erosion of natural deposits; discharge from refineries and factories; runoff from landfills; runoff from cropland
1045. Selenium	No	2014	<0.0025	No Range	ppm		0.05	Discharge from petroleum and metal refineries; erosion of natural deposits; discharge from mines
1085. Thallium	No	2014	<0.0005	No Range	ppm		0.002	Discharge from electronics, glass, and leaching from ore processing sites; drug factories
1024. Cyanide	No	2014	<0.015	No Range	ppm		0.2	Discharge from plastic, fertilizer factories; discharge from steel/metal factories
1040. Nitrate	No	2014	<0.08	No Range	ppm		10	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits
1041. Nitrite	No	2014	<0.02	No Range	ppm		1	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits
1038. Nitrate + Nitrite	No	2014	<0.1	No Range	ppm		10	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits
1030. Lead	No	2014	0.001	No Range	ppm		AL 0.015	Corrosion of household plumbing systems; erosion of natural deposits
1022. Copper	No	2014	0.1	No Range	ppm		AL 1.3	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives

Volatile Organic Contaminants

2378 1,2,4-Trichlorobenzene	No	2014	<0.5	No Range	ppb		70	Discharge from textile finishing factories
2380 CIS-1,2-Dichloroethylene	No	2014	<0.5	No Range	ppb		70	Discharge from industrial chemical factories
2955 Xylenes	No	2014	<0.5	No Range	ppb		10000	Discharge from petroleum factories; discharge from chemical factories
2964 Dichloromethane	No	2014	<0.5	No Range	ppb		5	Discharge from pharmaceutical and chemical factories
2968 O-Dichlorobenzene	No	2014	<0.5	No Range	ppb		600	Discharge from industrial chemical factories
2969 P-Dichlorobenzene	No	2014	<0.5	No Range	ppb		75	Discharge from industrial chemical factories
2976 Vinyl Chloride	No	2014	<0.5	No Range	ppb		2	Leaching from PVC piping; discharge from plastics factories
2977 1,1-Dichloroethylene	No	2014	<0.5	No Range	ppb		7	Discharge from industrial chemical factories
2979 Trans-1,2-Dichloroethylene	No	2014	<0.5	No Range	ppb		100	Discharge from industrial chemical factories
2980 1,2-Dichloroethane	No	2014	<0.5	No Range	ppb		5	Discharge from industrial chemical factories
2981 1,1,1-Trichloroethane	No	2014	<0.5	No Range	ppb		200	Discharge from metal degreasing sites and other factories
2982 Carbon Tetrachloride	No	2014	<0.5	No Range	ppb		5	Discharge from chemical plants and other industrial activities
2983 1,2-Dichloropropane	No	2014	<0.5	No Range	ppb		5	Discharge from industrial chemical factories
2984 Trichloroethylene	No	2014	<0.5	No Range	ppb		5	Discharge from metal degreasing sites and other factories
2985 1,1,2-Trichloroethane	No	2014	<0.5	No Range	ppb		5	Discharge from industrial chemical factories
2987 Tetrachloroethylene	No	2014	<0.5	No Range	ppb		5	Discharge from factories and dry cleaners
2989 Monochlorobenzene	No	2014	<0.5	No Range	ppb		100	Discharge from chemical and agricultural chemical factories
2990 Benzene	No	2014	<0.5	No Range	ppb		5	Discharge from factories; leaching from gas storage tanks and landfills
2991 Toluene	No	2014	<0.5	No Range	ppb		1000	Discharge from petroleum factories
2992 Ethylbenzene	No	2014	<0.5	No Range	ppb		700	Discharge from petroleum refineries
2996 Styrene	No	2014	<0.5	No Range	ppb		100	Discharge from rubber and plastics factories; leaching from landfills

Residual Disinfectant By-Products

0999 Chlorine (as Cl2)	No	2014	0.90	Low Range 0.50	High Range 1.30	mg/l		4.0	Water additive used to control microbes

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Disinfectant and Disinfection By-Products

2950 RAATrihalomethanes (TTHM)	No	2013	0.036	No Range	mg/l		0.080	By-product of drinking water disinfection
2456 RAA Haloacetic Acids (HAA5)	No	2013	0.022	No Range	mg/l		0.060	By-product of drinking water chlorination

Microbiological Contaminants

9223 Total Coliform	No	2013	0	No Range	Positive samples/month		1	Naturally present in the environment

Radionuclides

4006 Combined Uranium	No	2011	<0.067	No Range	ppb		30	
4020 Radium-226	No	2014	<0.2	No Range	Pci/l		1.15	
4030 Radium-228	No	2014	<0.7	No Range	Pci/l		1.15	
4109 Gross Alpha Particle Activity	No	2014	0.3	No Range	Pci/l		1.15	
4010 Combined Radium (-226 &-228)	No	2011	<0.528	No Range	Pci/l		5	

Total Coliform

Coliforms are bacteria that are naturally present in the environment and are used as an indicator other, potentially harmful, bacteria may be present. Coliforms were found in more samples than allowed and this was a warning of potential problems. This violation occurred in March 2009. It was resolved within one week. For each detect of total coliforms, additional samples were collected at the sites where total coliforms was detected, upstream of each site and downstream of each site. Results showed all samples free of total coliform; however, it was noted that the chlorine residual in these areas was lower than usual. The amount of chlorine was increased to insure an adequate residual was maintained.

Unit Descriptions

ppm: parts per million, or milligrams per liter (mg/l)
ppb: parts per billion, or micrograms per liter
positive samples/month: Number of samples taken monthly that were found to be positive
Picocuries per liter (pCi/L): Picocuries per liter is a measure of the radioactivity in water
ND: Not detected.
NA: Not applicable
NR: Monitoring not required, but recommended

Important Drinking Water Definitions

AL: Action Level: The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.

TT: Treatment Technique: A required process intended to reduce the level of a contaminant in drinking water.

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.

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.

Variances and Exemptions: State or EPA permission not to meet a MCL or a treatment technique under certain conditions.

MRDLG: Maximum residual disinfection level goal. The level of a drinking water disinfectant below which there is no known or expected risk to health. MLDLGs do not reflect the benefits of the use of disinfectants to control microbial contaminants.

MRDL: Maximum residual disinfection 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.

MAIL PAYMENT TO
Union Water
Association
170 W.Wilson Road
Eupora, MS 39744

DATE	17-May-15
ACCOUNT #	39

METER READINGS	
03/31/15	04/30/15
1245980	1245980
USED (GAL)	

AMOUNT DUE			
PRESENT	PREVIOUS		AFTER
$20.00		$20.00	$22.00

Payment is due by May 31, 2015. Past due members will be disconnected after the 25th of the next month. NO EXCEPTIONS! CCR Report will be ready July 1, 2015.

ENCLOSE THIS STUB WITH PAYMENT

DATE	17-May-15
ACCOUNT #	39
	AFTER
$20.00	$22.00

MAIL PAYMENT TO
Union Water
Association
170 W.Wilson Road
Eupora, MS 39744

DATE	17-Jun-15
ACCOUNT #	25

METER READINGS	
04/30/15	05/31/15
66500	66500
USED (GAL)	

AMOUNT DUE			
PRESENT	PREVIOUS		AFTER
$20.00		$20.00	$22.00

Payment is due by June 30, 2015. Past due members will be disconnected after the 25th of the next month. NO EXCEPTIONS! CCR Report will be ready July 1, 2015.

ENCLOSE THIS STUB WITH PAYMENT

DATE	17-Jun-15
ACCOUNT #	25
	AFTER
$20.00	$22.00