

2014 JUN 20 AM 11:48

MISSISSIPPI STATE DEPARTMENT OF HEALTH
BUREAU OF PUBLIC WATER SUPPLY
CCR CERTIFICATION
CALENDAR YEAR 2013

KIPLING WATER ASSOCIATION
Public Water Supply Name

0350002 0350019 0350026
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: 6/19/14, / / /

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: KEMPER COUNTY MESSENGER

Date Published: 6/19/14

CCR was posted in public places. *(Attach list of locations)* Date Posted: 6/19/14

EAST MS ELECTRIC POWER ASSN DEKALB OFFICE

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.

Arthur Masten / PRESIDENT
Name/Title (President, Mayor, Owner, etc.)

6-19-2014
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

2013 ANNUAL DRINKING WATER QUALITY REPORT
KIPLING WATER ASSOCIATION
SYSTEMS # 1, 3 & 4

2013 ED-WATER SUPPL
 2014 JUN 20 AM 11:48

This report is a snapshot of last year's water quality. Included are details of where your water comes from, what it contains, and how it compares to standards set by regulatory agencies. As you can see by the table, our systems had no violations. We're proud that your drinking water meets or exceeds all Federal and State requirements. Though some contaminants were detected the EPA has determined that your water is safe at these levels.

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as persons 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 microbial contaminants are available from the Safe Drinking Water Hotline (1-800-426-4791).

Our water source for System #1 consists of four wells pumping groundwater from the Lower Wilcox Aquifer. Our source water assessment has been completed and is now available. This assessment details the systems' susceptibility to potential sources of contamination. A moderate to low susceptibility was found for System #1. A low susceptibility was found for Systems #3 and #4. We buy water from the Town of DeKalb for System #3 and the DeKalb Town Hall has a copy of their source water assessment. We buy water from Northwest Kemper for System #4 and their source water assessment is available upon request.

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 (1-800-426-4791).

Our board meets on the 4th Tuesday of every month at 6 p.m. at the EMEPA building in DeKalb, MS. We encourage all customers who have any concerns or questions to meet with us. Our annual membership meeting will be held August 12 at 7 p.m. in the courtroom of the Kemper County Courthouse.

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. Kipling 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 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 Public Health Lab offers lead testing for \$10 per sample. Please contact 1-601-576-7582 if you wish to have your water tested.

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 that the water poses a health risk. Unless otherwise noted, the data from this table is from testing done in the calendar year of the report. The EPA and/or the State requires us to monitor for certain contaminants less than once a year because the concentrations of the contaminants do not change frequently.

In this table you will find many terms and abbreviations you may not be familiar with. To help you better understand these terms we've provided the following definitions:

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

Maximum Contaminant Level – The "Maximum Allowed" (MCL) is 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.

Maximum Contaminant Level Goal – The "Goal" (MCLG) is 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.

Contaminant	Violation Yes/No	Date Collected	Level Detected	Range of Detects or # of Samples Exceeding MCL/AL	Unit Measure	MCLG	MCL	Typical Source
PWS ID# 350002 System #1 Treatment Plant #1								
INORGANIC CONTAMINANTS								
Barium	No	2012	0.04355	None	ppm	2	2	Discharge of drilling waste; discharge from metal refineries; erosion of natural deposits
Copper	No	2011	0.6	None	ppm	1.3	AL=1.3	Corrosion of household plumbing systems; erosion of natural deposits
Lead	No	2011	2	None	ppb	0	AL=15	Corrosion of household plumbing systems; erosion of natural deposits
Nitrate (as Nitrogen)	No	2013	0.23	None	ppm	10	10	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits

DISINFECTANTS & DISINFECTION BY-PRODUCTS

Chlorine (as Cl ₂)	No	Jan-Dec	1.1	.80 - 1.30	ppm	4	4	Water additive to control microbes
TTHM	No	2012	3.34	None	ppb	0	80	By-product of drinking water chlorination
HAA5	No	2012	2.0	None	ppb	0	60	By-product of drinking water chlorination

System #1 Treatment Plant #2**INORGANIC CONTAMINANTS**

Barium	No	2013	0.0583	None	ppm	2	2	Discharge of drilling waste; discharge from metal refineries; erosion of natural deposits
Nitrate	No	2013	0.14	None	ppm	10	10	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits

DISINFECTANTS & DISINFECTION BY-PRODUCT

TTHM	No	2012	5.7	None	ppb	0	80	By-product of drinking water chlorination
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PWS ID# 350019 System #3**INORGANIC CONTAMINANTS**

Barium	No	2012	0.08162	None	ppm	2	2	Discharge of drilling waste; discharge from metal refineries; erosion of natural deposits
Fluoride*	No	Jan-Dec	0.989	None	ppm	4	4	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer & aluminum factories

DISINFECTANTS & DISINFECTION BY-PRODUCTS

There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.

Chlorine (as Cl ₂)	No	Jan-Dec	0.80	.40-1.30	ppm	4	4	Water additive to control microbes
TTHM	No	2011	4.92	None	ppb	0	80	By-product of drinking water chlorination

*To comply with the "Regulation Governing Fluoridation of Community Water Supplies", TOWN OF DEKALB is required to report certain results pertaining to fluoridation of our water system. The number of months in the previous calendar year in which average fluoride sample results were within optimal range of 0.7-1.3 ppm was 11. The percentage of fluoride samples collected in the previous calendar year that was within the optimal range of 0.7-1.3 was 100%.

PWS ID# 350026 System #4-Gholson**INORGANIC CONTAMINANTS**

Nitrate (as Nitrogen)	No	2013	0.81	None	ppm	10	10	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits
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DISINFECTANTS & DISINFECTANT BY-PRODUCTS

There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.

Chlorine (as Cl ₂)	No	Jan-Dec	1.1	1-1.2	ppm	4	4	Water additive to control microbes
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If you have any questions about this report or concerning your water utility, please contact our senior certified water operator, W. H. Dixon, Jr. at 1-601-743-5800. Copies of this report will not be mailed out individually, but are available at the DeKalb EMEPA office. Further information, including the State Auditor's Report, is available upon request.

**2013 ANNUAL DRINKING WATER QUALITY REPORT
KIPLING WATER ASSOCIATION
SYSTEMS #1, 3 & 4**

This report is a snapshot of last year's water quality. Included are details of where your water comes from, what it contains, and how it compares to standards set by regulatory agencies. As you can see by the table, our systems had no violations. We're proud that your drinking water meets or exceeds all Federal and State requirements. Though some contaminants were detected the EPA has determined that your water is safe at these levels.

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Our water source for System #1 consists of four wells pumping groundwater from the Lower Wilcox Aquifer. Our source water assessment has been completed and is now available. This assessment details the systems' susceptibility to potential sources of contamination. A moderate to low susceptibility was found for System #1. A low susceptibility was found for Systems #3 and #4. We buy water from the Town of DeKalb for System #3 and the DeKalb/Town Hall has a copy of their source water assessment. We buy water from Northwest Kemper for System #4 and their source water assessment is available upon request.

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 (1-800-426-4791).

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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 that the water poses a health risk. Unless otherwise noted, the data from this table is from testing done in the calendar year of the report. The EPA and/or the State requires us to monitor for certain contaminants less than once a year because the concentrations of the contaminants do not change frequently.

In this table you will find many terms and abbreviations you may not be familiar with. To help you better understand these terms we've provided the following definitions:

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

Maximum Contaminant Level - The "Maximum Allowed" (MCL) is 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.

Maximum Contaminant Level Goal - (MCLG) is the level of a contaminant in drinking water

Contaminant	Violations Y/N	Date Collected	Level Detected	Range of Detects or # of Samples Exceeding MCL/ACL	Unit Measurement	MCL (ppm)	MCLG (ppm)	Likely Source of Contaminant
Inorganic Contaminants								
10 Barium	N	2012*	0.081-0.2	No Range	ppm	2	2	Discharge of drilling wastes, discharge from metal refineries, erosion of natural deposits
16 Fluoride	N	2012*	0.989	No Range	ppm	4	4	Erosion of natural deposits, water additive which promotes strong leach discharge from fertilizers and aluminum factor
17 Lead	N	1/1/09 to 12/31/11	1	Note	ppb	0	AL=15	Corrosion of household plumbing systems, erosion of natural deposits
Disinfectants & Disinfectant By-Products								
Chlorine (as Cl ₂)	N	1/1/13 to 12/31/13	1.10	0.50 to 1.50	ppm	4	4	Water additive used to control microbes

**Annual Drinking Water Quality Report
Town of DeKalb
PWS ID # 0350001
June, 2014**

We're pleased to present to you this year's Annual Water Quality Report. This report is designed to inform you about the quality water and services we deliver to you every day. Our constant goal is to provide you with a safe and dependable supply of drinking water. We want you to understand the efforts we make to continually improve the water treatment process and protect our water resources. We are committed to ensuring the quality of your water. Our water source consists of two wells that draw from the Wilcox Aquifer.

A source water assessment has been completed for the water supply to determine the susceptibility of its drinking water to identify potential sources of contamination. The water supply for the Town of DeKalb received a low susceptibility ranking to contamination. We're pleased to report that our drinking water meets all federal and state requirements. If you have any questions about this report or concerning your water utility, please contact Billy S. Binegar at 601-743-2870. We want our valued customers to be informed about 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 DeKalb Police Station I Room at 6:00 p.m.

The Town of DeKalb routinely monitors for constituents in your drinking water according to Federal and State laws. This table shows the results of our monitoring for the period of January 1st to December 31st, 2013. As water travels over the land or underground, it can pick up substances or contaminants such as microbes, inorganic and organic chemicals, and radioactive substances. All drinking water, including bottled drinking water, may be reasonably expected to contain at least small amounts of some constituents. It's important to remember that the presence of these constituents does not necessarily pose a health risk.

In this table you will find many terms and abbreviations you might not be familiar with. To help you better understand these terms we've provided the following definitions:

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

Treatment Technique (TT) - A treatment technique is a required process intended to reduce the level of a contaminant in drinking water.

Maximum Contaminant Level - The "Maximum Allowed" (MCL) is 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.

Maximum Contaminant Level Goal - The "Goal" (MCLG) is 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.

TEST RESULTS

Contaminant	Violations Y/N	Date Collected	Level Detected	Range of Detects or # of Samples Exceeding MCL/ACL	Unit Measurement	MCL (ppm)	MCLG (ppm)	Likely Source of Contaminant
Inorganic Contaminants								
10 Barium	N	2012*	0.081-0.2	No Range	ppm	2	2	Discharge of drilling wastes, discharge from metal refineries, erosion of natural deposits
16 Fluoride	N	2012*	0.989	No Range	ppm	4	4	Erosion of natural deposits, water additive which promotes strong leach discharge from fertilizers and aluminum factor
17 Lead	N	1/1/09 to 12/31/11	1	Note	ppb	0	AL=15	Corrosion of household plumbing systems, erosion of natural deposits
Disinfectants & Disinfectant By-Products								
Chlorine (as Cl ₂)	N	1/1/13 to 12/31/13	1.10	0.50 to 1.50	ppm	4	4	Water additive used to control microbes

*Most recent sample results available

To comply with the "Regulation Governing Fluoridation of Community Water Supply TOWN OF DEKALB is required to report certain results pertaining to fluoridation of water system. The number of months in the previous calendar year in which average fluoride sample results were within the optimal range of 0.7-1.3 ppm was 11. The percentage fluoride samples collected in the previous calendar year that was within the optimal range 0.7-1.3 ppm was 100%.

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. The Town of DeKalb 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 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 Public Health Laboratory offers lead testing for \$10 per sample. Please contact 601.576.75 you wish to have your water tested.

All sources of drinking water are subject to potential contamination by substances that naturally occurring or man made. These substances can be microbes, inorganic or organic chemicals and radioactive substances. All 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 the water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the Environmental Protection Agency's Safe Drinking Water Hotline at 1-800-426-4791.

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/CDC guidelines on appropriate means to lessen the risk of infection by cryptosporidium and other microbiological contaminants are available from the Safe Drinking Water Hotline (800-426-4791).

This report being published in the paper will not be mailed. Please call our office if you would like a copy or have any questions.

below which there is no known or expected risk to health. MCLGs allow for a margin of safety. If you have any questions about this report or concerning your water utility, please contact our senior certified water operator, W. H. Dixon Jr. at 1-601-743-5800. Copies of this report will not be mailed out individually, but are available at the DeKalb EMEPA office. Further information, including the State Auditor's Report, is available upon request.