

MISSISSIPPI STATE DEPARTMENT OF HEALTH
BUREAU OF PUBLIC WATER SUPPLY

2014 MAY 16 AM 8:22

CCR CERTIFICATION
CALENDAR YEAR 2013

Central Rankin Water Assn.
Public Water Supply Name

PWS# 0610081

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: 5/7/14 / / / /

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: Rankin Co. News

Date Published: 5/7/14

CCR was posted in public places. *(Attach list of locations)* ✓ Date Posted: 5/8/14

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

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.

Melanie Benavidez office mgr
Name/Title (President, Mayor, Owner, etc.)

5/13/14
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

2013 Annual Drinking Water Quality Report
 Central Rankin Water Association, Inc.
 PWS#: 0610081
 April 2014

We're pleased to present to you this year's Annual Quality Water 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 is from wells drawing from the Sparta Sand Aquifer.

The source water assessment has been completed for our public water system to determine the overall susceptibility of its drinking water supply to identify potential sources of contamination. A report containing detailed information on how the susceptibility determinations were made has been furnished to our public water system and is available for viewing upon request. The wells for the Central Rankin Water Association have received a lower susceptibility ranking to contamination.

If you have any questions about this report or concerning your water utility, please contact Roland Walker at 601.940.1165. We want our valued customers to be informed about their water utility. If you want to learn more, please attend the meetings scheduled for the third Thursday of each month at 6:00 PM at the Star Water Office.

We routinely monitor for constituents in your drinking water according to Federal and State laws. This table below lists all of the drinking water contaminants that we detected during the period of January 1st to December 31st, 2013. In cases where monitoring wasn't required in 2013, the table reflects the most recent results. As water travels over the surface of land or underground, it dissolves naturally occurring minerals and, in some cases, radioactive materials and can pick up substances or contaminants 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 storm-water 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 storm-water 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 and septic systems; 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. 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 indicate that the water poses 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 (MCL) - 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) - 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.

Maximum Residual Disinfectant Level (MRDL) - The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary to control microbial contaminants.

Maximum Residual Disinfectant Level Goal (MRDLG) - The level of a drinking water disinfectant below which there is no known or expected risk of health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contaminants.

TEST RESULTS								
Contaminant	Violation Y/N	Date Collected	Level Detected	Range of Detects or # of Samples Exceeding MCL/ACL	Unit Measurement	MCLG	MCL	Likely Source of Contamination
Inorganic Contaminants								
10. Barium	N	2013	.003	.001 - .003	ppm	2	2	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits

13. Chromium	N	2013	1.6	.9 – 1.6	ppb	100	100	Discharge from steel and pulp mills; erosion of natural deposits
14. Copper	N	2009/11*	.1	0	ppm	1.3	AL=1.3	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
16. Fluoride	N	2013	.113	No Range	ppm	4	4	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories
17. Lead	N	2009/11*	1	0	ppb	0	AL=15	Corrosion of household plumbing systems, erosion of natural deposits

Disinfection By-Products

81. HAA5	N	2013	33	No Range	ppb	0	60	By-Product of drinking water disinfection.
82. TTHM [Total trihalomethanes]	N	2013	51.2	No Range	ppb	0	80	By-product of drinking water chlorination.
Chlorine	N	2013	.8	.6 - .9	mg/l	0	MDRL = 4	Water additive used to control microbes

* Most recent sample. No sample required for 2013.

As you can see by the table, our system had no contaminant violations. We're proud that your drinking water meets or exceeds all Federal and State requirements. We have learned through our monitoring and testing that some constituents have been detected however the EPA has determined that your water IS SAFE at these levels.

We are required to monitor your drinking water for specific constituents on a monthly basis. Results of regular monitoring are an indicator of whether or not our drinking water meets health standards. We did complete the monitoring requirements for bacteriological sampling that showed no coliform present. In an effort to ensure systems complete all monitoring requirements, MSDH now notifies systems of any missing samples prior to the end of the compliance period.

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. Our 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 Laboratory offers lead testing. Please contact 601.576.7582 if you wish to have your water tested.

All sources of drinking water are subject to potential contamination by substances that are 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 1-800-426-4791.

The Central Rankin Water Association, Inc. works around the clock 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 and our children's future.

6/14/14

2014 JUN 15 AM 8:22

AFFIDAVIT

PROOF OF PUBLICATION

RANKIN COUNTY NEWS • P.O. BOX 107 • BRANDON, MS 39043

STATE OF MISSISSIPPI
COUNTY OF RANKIN

THIS 7TH DAY OF MAY, 2014, personally came Marcus Bowers, publisher of the Rankin County News,

a weekly newspaper printed and published in the City of Brandon. In the County of Rankin and State of Mississippi, before me the undersigned officer in and for said County and State aforesaid, before me the undersigned officer and said newspaper has been published for more than 12 months prior to 13-3-31, Laws of Mississippi, 1936, and laws supplementary and amendatory thereto, and that a certain

2013 ANNUAL DRINKING WATER QUALITY REPORT
CENTRAL RANKIN WATER ASSOCIATION, INC.

a copy of which is hereto attached, was published in said newspaper One (1) week, as follows, to-wit:

Vol 166 No. 42 on the 7th day of May, 2014

Marcus Bowers
MARCUS BOWERS, Publisher

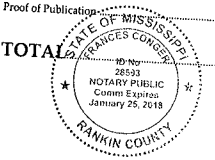
Sworn to and subscribed before me by the aforementioned Marcus Bowers this 7th day of May, 2014

Frances Conger Notary Public
FRANCES CONGER
My Commission Expires: January 25, 2018

PRINTER'S FEE:
3 column by 12.5 inch ad at \$7.00 per column inch..... \$262.50

Proof of Publication..... 3.00

TOTAL..... \$265.50



2013 Annual Drinking Water Quality Report
Central Rankin Water Association, Inc.
RWSA 02.10043
April 2014

We're pleased to present to you this year's Annual Quality Water Report. This report is designed to inform you about the quality water and ensure confidence in the water you use. Our mission is to provide you with a safe and dependable supply of drinking water. We want you to understand the efforts we make to continuously improve the water treatment process and protect our water resources. We are committed to ensuring the quality of your water. Our water source is from wells tapping into the Sparta Sand Aquifer.

The source water assessment has been completed for our public water system and determines the overall susceptibility of its drinking water supply to identify potential sources of contamination. A report containing detailed information on the source water assessment was made available for review at our public water system. This information is available for viewing upon request. The results for Central Rankin Water Association are contained in a separate report, which is available for viewing upon request. The results for the Central Rankin Water Association are contained in a separate report, which is available for viewing upon request.

If you have any questions about the report or submitting your water bill, please contact Billing Services at 601.540.1100. We want our valued customers to be informed about their water bill. If you want to learn more, please attend the meeting scheduled for the third Thursday of each month at 6:00 PM at the City of Brandon.

We routinely monitor for contaminants in your drinking water according to Federal and State laws. This table below lists all of the water treatment processes that are required during the period of January 1st to December 31st, 2013. In cases where monitoring of drinking water quality is required, it is done on a regular basis. As water travels over the surface of land, it can pick up and carry various substances, including naturally occurring minerals and inorganic chemicals. These substances can be introduced to the water through various processes, including agricultural practices, industrial processes, and natural processes. These substances can be introduced to the water through various processes, including agricultural practices, industrial processes, and natural processes.

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 or a required process intended to reduce the level of a contaminant in drinking water.

Maximum Contaminant Level (MCL) - The "Maximum Allowable" (MCL) is the highest level of a contaminant that is allowed in drinking water. MCLs are set as strict as the science allows to protect public health.

Maximum Contaminant Level Goal (MCLG) - 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.

Maximum Ground Water Under Direct Flow (MGDF) - The highest level of a contaminant allowed in drinking water from a public water system that is derived from groundwater that is under direct flow.

Maximum Residential Consumer Level Goal (MRDCL) - The level of a drinking water constituent below which there is no known or expected risk to health. MRDCLs do not reflect the results of test of contaminants to control recently contaminated water.

TEST RESULTS							
Contaminant	Unit	Date	Level	Range of Detects	TT	MCL	MCLG
Inorganic Contaminants							
As	ppm	2013	0.01	0.01 - 0.01	None	0.05	0.01
Ca	ppm	2013	150	140 - 160	None	180	180
Cl	ppm	2013	100	90 - 110	None	150	150
Fe	ppm	2013	0.3	0.2 - 0.4	None	1.0	0.3
Mn	ppm	2013	0.05	0.04 - 0.06	None	0.1	0.05
NH ₃	ppm	2013	0.0	0.0 - 0.0	None	1.0	0.1
NO ₂	ppm	2013	0.0	0.0 - 0.0	None	1.0	0.1
NO ₃	ppm	2013	10	8 - 12	None	10	10
Se	ppm	2013	0.01	0.01 - 0.01	None	0.07	0.01
SO ₄	ppm	2013	150	140 - 160	None	250	250

Disinfection By-Products							
Contaminant	Unit	Date	Level	Range of Detects	TT	MCL	MCLG
THM5							
THM5	ppm	2013	0.2	0.1 - 0.3	None	0.5	0.2
Halogenated Acetic Acids (HAA5)							
HAA5	ppm	2013	0.1	0.05 - 0.15	None	0.1	0.1
Other DBPs							
Other DBPs	ppm	2013	0.01	0.005 - 0.015	None	0.07	0.01

As you can see by the table, the system has no contaminated water. We're proud that our drinking water meets or exceeds all Federal and State requirements. We have treated through our monitoring and testing that some constituents have been detected.

We are required to monitor your drinking water for specific contaminants on a regular basis. Results of regular monitoring are an indicator of whether or not our drinking water meets health standards. We do not routinely monitor for contaminants that are not listed in the table above.

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. Our Water Association is responsible for providing you with safe 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 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. For more information on lead in drinking water, including testing procedures, and ways you can take to minimize exposure, are available from the Safe Drinking Water Hotline at 800.426.6776 or at <http://www.epa.gov/lead>. The information from the Department of Health, Public Health Laboratory offices and testing. Please contact 601.978.7322 if you want to have your water tested.

All sources of drinking water are subject to potential contamination by substances that are naturally occurring or man-made. These substances can be inorganic, organic, or radioactive. All drinking water, including bottled water, may occasionally 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 800.426.6776.

Some people may be more vulnerable to contaminants in drinking water than the general population. Infants, pregnant women, and the elderly are particularly vulnerable. Infants and young children are especially vulnerable because they drink more water relative to their body weight. People with kidney disease, pregnant women, and the elderly are also more vulnerable to contaminants in drinking water. If you are one of these people, you should consult with your health care provider about drinking water. EPA's Office of Public Health and Environmental Quality has information on vulnerable populations and how to protect them. This information is available from the Safe Drinking Water Hotline at 800.426.6776.

Central Rankin Water Association, Inc. works around the clock to provide the quality water to every tap. We are committed to providing you with the highest quality water, and we are committed to protecting our water resources for the benefit of our community. As a way of life and our children's future.