5/13/14

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

Reedtown Water Assn
Public Water Supply Name

0250021, 0110028, 0250007
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: __/__/__, __/__/__, __/__/__

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

X CCR was published in local newspaper. ***(Attach copy of published CCR or proof of publication)*** X

Name of Newspaper: ~~Hinds County Gazette~~ / Claiborne Co. Reveille

Date Published: 5/8/14

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 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.

Cliff Fatheree Operator
Name/Title (President, Mayor, Owner, etc.)

5-4-14
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

MRS

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2013 Annual Drinking Water Quality Report
Reedtown Water Association & Hubbard Water Association
PWS#: 110028, 250021 & 250007
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 Catahoula Formation, Cockfield Formation and Miocene System Aquifers.

The source water assessment has been completed for our public water system to determine the overall susceptibility of its drinking water supply to identified 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 Reedtown Water Association have received lower susceptibility rankings to contamination.

If you have any questions about this report or concerning your water utility, please contact Wesley Mathes at 601-885-6839. We want our valued customers to be informed about their water utility. If you want to learn more, please attend the meetings scheduled for March 25th at 6:3 PM at the Reedtown Water Association 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 were 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:

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 for 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.

Parts per million (ppm) or Milligrams per liter (mg/l) - one part per million corresponds to one minute in two years or a single penny in $10,000.

Parts per billion (ppb) or Micrograms per liter - one part per billion corresponds to one minute in 2,000 years, or a single penny in $10,000,000.

PWS #: 0110028 TEST RESULTS

Contaminant	Violation Y/N	Date Collected	Level Detected	Range of Detects or # of Samples Exceeding MCL/ACL	Unit Measure -ment	MCLG	MCL	Likely Source of Contamination
Radioactive Contaminants								
5. Gross Alpha	N	2012	3.83	1.4 – 3.83	pCi/L	0	15	Erosion of natural deposits
Inorganic Contaminants								
10. Barium	N	2011*	.007	No Range	ppm	2	2	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
13. Chromium	N	2011*	1.1	No Range	ppb	100	100	Discharge from steel and pulp mills; erosion of natural deposits
14. Copper	N	2012*	.06	0	ppm	1.3	AL=1.3	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives

16. Fluoride	N	2011*	.123	No Range	ppm	4	4	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories
17. Lead	N	2012*	5	0	ppb	0	AL=15	Corrosion of household plumbing systems, erosion of natural deposits
Disinfection By-Products								
81. HAA5	Y	3Q2013	131	RAA	ppb	0	60	By-Product of drinking water disinfection.
82. TTHM [Total trihalomethanes]	Y	3Q2013	94	RAA	ppb	0	80	By-product of drinking water chlorination.
Chlorine	N	2013	1.3	.4 – 1.9	mg/l	0	MDRL = 4	Water additive used to control microbes

PWS #: 0250021 TEST RESULTS

Contaminant	Violation Y/N	Date Collected	Level Detected	Range of Detects or # of Samples Exceeding MCL/ACL	Unit Measure -ment	MCLG	MCL	Likely Source of Contamination
Inorganic Contaminants								
10. Barium	N	2012*	.12	.11 - .12	ppm	2	2	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
13. Chromium	N	2012*	2.1	1.3 – 2.1	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	2012*	.121	.118 - .121	ppm	4	4	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories
17. Lead	N	2009/11*	2	0	ppb	0	AL=15	Corrosion of household plumbing systems, erosion of natural deposits
20. Nitrite (as Nitrogen)	N	2013	.08	No Range	ppm	1	1	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits
Disinfection By-Products								
81. HAA5	N	2012*	5	No Range	ppb	0	60	By-Product of drinking water disinfection.
Chlorine	N	2013	1.3	.8 – 1.8	mg/l	0	MDRL = 4	Water additive used to control microbes

PWS ID# 250007 TEST RESULTS

Contaminant	Violation Y/N	Date Collected	Level Detected	Range of Detects or # of Samples Exceeding MCL/ACL/MRDL	Unit Measure -ment	MCLG	MCL	Likely Source of Contamination
Radioactive Contaminants								
5. Gross Alpha	N	2012*	3.3	3.1 – 3.3	pCi/L	0	15	Erosion of natural deposits
Inorganic Contaminants								
10. Barium	N	2012*	.02	.01 - .02	ppm	2	2	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
13. Chromium	N	2012*	3.6	1.6 – 3.6	ppb	100	100	Discharge from steel and pulp mills; erosion of natural deposits

14. Copper	N	2011*	.3	0	ppm	1.3	AL=1.3	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
16. Fluoride	N	2012*	1.27	No Range	ppm	4	4	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories
17. Lead	N	2011*	8	0	ppb	0	AL=15	Corrosion of household plumbing systems, erosion of natural deposits
Volatile Organic Contaminants								
56. Carbon tetrachloride	N	2013	2.21	2.12 – 2.12	ppb	0	5	Discharge from chemical plants and other industrial activities
Disinfection By-Products								
81. HAA5	Y	3Q2013	251	RAA	ppb	0	60	By-Product of drinking water disinfection.
82. TTHM [Total trihalomethanes]	Y	3Q2013	322	RAA	ppb	0	80	By-product of drinking water chlorination.
Chlorine	N	2013	1.3	.4 – 2	mg/l	0	MRDL = 4	Water additive used to control microbes

** Most recent sample. No sample required for 2013.*

Disinfection By-Products:
(81) Haloacetic Acids (HAA5). Some people who drink water containing bromate in excess of the MCL over many years may have an increased risk of cancer
(82) Total Trihalomethanes (TTHMs). Some people who drink water containing trihalomethanes in excess of the MCL over many years may experience problems with their liver, kidneys, or central nervous systems, and may have an increased risk of getting cancer.

Our systems violated a drinking water standard. We exceeded the MCL for Disinfection Byproducts in all quarters of 2013. The standard for Trihalomethanes (TTHM) is .080 mg/l. The standard for Haloacetic Acids (HAA5) is .060mg/l. On System # 110028 our TTHMs ranged from 4.79-282 and our HAA5s ranged from 2 – 337. On System # 250007 our TTHMs ranged from 231-429 and our HAA5s ranged from 31 – 64. We are working with the MSDH to evaluate the water supply and researching options to correct the problem.

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. 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.

Significant Deficiency – System # 250021
<u>During a sanitary survey conducted on 8/24/2010, the Mississippi State Department of Health cited the following significant deficiency:</u>
Inadequate pump capacity
<u>Corrective actions</u>: This system has entered into a Bilateral Compliance Agreement with the Mississippi State Department of Health to correct this deficiency by 1/10/2015.

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 Reedtown & Hubbard Water Associations 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.

PWS #: 0250021

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	2012*	.12	.11 - .12	ppm	2	2	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
13. Chromium	N	2012*	2.1	1.3 – 2.1	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	2012*	.121	.119 - .121	ppm	4	4	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories
17. Lead	N	2009/11*	2	0	ppb	0	AL=15	Corrosion of household plumbing systems; erosion of natural deposits
20. Nitrate (Nitrogen)	N	2013	.06	No Range	ppm	1	1	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits
Disinfection By-Products								
81. HAA5	N	2012*	5	No Range	ppb	0	60	By-Product of drinking water disinfection
Chlorine	N	2013	1.3	.8 – 1.8	mg/l	0	MRDL = 4	Water additive used to control microbes

PWS ID# 250007

TEST RESULTS

Contaminant	Violation Y/N	Date Collected	Level Detected	Range of Detects or # of Samples Exceeding MCL/ACL/MRDL	Unit Measurement	MCLG	MCL	Likely Source of Contamination
Radioactive Contaminants								
5. Gross Alpha	N	2012*	3.3	3.1 – 3.3	pCi/L	0	15	Erosion of natural deposits
Inorganic Contaminants								
10. Barium	N	2012*	.02	.01 - .02	ppm	2	2	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
13. Chromium	N	2012*	3.6	1.8 – 3.6	ppb	100	100	Discharge from steel and pulp mills; erosion of natural deposits
14. Copper	N	2011*	.2	0	ppm	1.3	AL=1.3	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
16. Fluoride	N	2012*	1.27	No Range	ppm	4	4	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories
17. Lead	N	2011*	6	0	ppb	0	AL=15	Corrosion of household plumbing systems; erosion of natural deposits
Volatile Organic Contaminants								
84. Carbon tetrachloride	N	2013	2.21	2.2 – 2.12	ppb	0	5	Discharge from chemical plants and other industrial activities
Disinfection By-Products								
81. HAA5	Y	3Q2013	291	RAA	ppb	0	60	By-Product of drinking water disinfection.
82. TTHM [Total trihalomethanes]	Y	3Q2013	322	RAA	ppb	0	80	By-product of drinking water chlorination.
Chlorine	N	2013	1.3	.4 – 2	mg/l	0	MRDL = 4	Water additive used to control microbes

* Most recent sample. No sample required for 2013.

Disinfection By Products:

(81) Haloacetic acids (HAA5). Some people who drink water containing bromate in excess of the MCl over many years may have an increased risk of cancer. (82). Total Trihalomethanes (TTHM). Some people who drink water containing trihalomethanes in excess of MCL over many years may experience problem with their liver, kidneys, or central nervous systems, and may have an increased risk of getting cancer.

Our systems violated a drinking water standard. We exceeded the MCL for Disinfection Byproducts in all quarters of 2013. The standard for Trihalomethanes (TTHM) is .080 mg/l. The standard for Haloacetic Acids (HAA5) is .060 mg/l. On System # 110028 our TTHMs ranged from 4.79-282 and our HAA5s ranged from 2-337. On System # 250007 our TTHMs ranged from 231-429 and our HAA5s ranged from 31-64. We are working with the MSDH to evaluate the water supply and researching options to correct the problem.

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WATER SUPPLY
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2013 Annual Drinking Water Quality Report
Reedtown Water Association & Hubbard Water Associati
PWS#: 110028, 250021 & 250007
April 2014

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Parts per million (ppm) or Milligrams per liter (mg/l) - one part per million corresponds to one minute in two years of a single penny in $10,000.

Parts per billion (ppb) or Micrograms per liter - one part per billion corresponds to one minute in 2,000 years, or a single penny in $10,000,000.

PWS #: 0110028

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
Radioactive Contaminants								
5. Gross Alpha	N	2012	3.93	1.4 – 3.93	pCi/L	0	15	Erosion of natural deposits
Inorganic Contaminants								
10. Barium	N	2011*	.007	No Range	ppm	2	2	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
13. Chromium	N	2011*	1.3	No Range	ppb	100	100	Discharge from steel and pulp mills; erosion of natural deposits
14. Copper	N	2012*	.08	0	ppm	1.3	AL=1.3	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
16. Fluoride	N	2011*	.122	No Range	ppm	4	4	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories
17. Lead	N	2012*	5	0	ppb	0	AL=15	Corrosion of household plumbing systems; erosion of natural deposits
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82. TTHM [Total trihalomethanes]	Y	3Q2013	94	RAA	ppb	0	80	By-product of drinking water chlorination.
Chlorine	N	2013	1.3	.4 – 1.9	mg/l	0	MRDL = 4	Water additive used to control microbes