

MISSISSIPPI STATE DEPARTMENT OF HEALTH
BUREAU OF PUBLIC WATER SUPPLY

CCR CERTIFICATION FORM
CALENDAR YEAR 2012

Greenfield Water Assn., Inc.
Public Water Supply Name

0610011

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. **Since this is the first year of electronic delivery, we request you mail or fax a hard copy of the CCR and Certification Form 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: 05/02/2013 / /

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 County News

Date Published: 5/2/13

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 2012 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.

[Signature] President
Name/Title (President, Mayor, Owner, etc.)

5-3-13
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

RECEIVED - WATER SUPPLY
2013 APR 23 PM 3: 44

2012 Annual Drinking Water Quality Report
Greenfield Water Association, Inc.
PWS#: 0610011
April 2013

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 three wells drawing from the Cockfield Formation 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 Greenfield have received a moderate susceptibility ranking to contamination.

If you have any questions about this report or concerning your water utility, please contact Johnny Jones, President at 601.825.7178. We want our valued customers to be informed about their water utility. If you want to learn more, please attend any of our regularly scheduled meetings. They are held on the last Thursday of each month at 6:00 PM at the office located at 1608 HWY 469 N, Pearl, MS 39208.

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 for the period of January 1st to December 31st, 2012. In cases where monitoring wasn't required in 2012, 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.

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.

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.

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	2011*	.001	No Range	ppm	2	2	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
14. Copper	N	2009/11*	.3	0	ppm	1.3	AL=1.3	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives

16. Fluoride**	N	2011*	.124	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*	2	0	ppb	0	AL=15	Corrosion of household plumbing systems, erosion of natural deposits
Disinfection By-Products								
81. HAA5	N	2011*	14	No Range	ppb	0	60	By-Product of drinking water disinfection.
82. TTHM [Total trihalomethanes]	N	2011*	27.88	No Range	ppb	0	80	By-product of drinking water chlorination.
Chlorine	N	2012	.90	.60 – 1.2	ppm	0	MDRL = 4	Water additive used to control microbes

* Most recent sample. No sample required for 2012. ** Fluoride level is routinely adjusted to the MS State Dept of Health's recommended level of 0.7 - 1.3 PPM.

As you can see by the table, our system had no 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. 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>.

To comply with the "Regulation Governing Fluoridation of Community Water Supplies", our system 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 the optimal range of 0.7-1.3 ppm was 12. The percentage of fluoride samples collected in the previous calendar year that was within the optimal range of 0.7-1.3 ppm was 85%.

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.

*******April 1, 2013 MESSAGE FROM 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 Karen Walters, Director of Compliance & Enforcement, Bureau of Public Water Supply, at 601.576.7518.

The Greenfield 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.

AFFIDAVIT

PROOF OF PUBLICATION

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

STATE OF MISSISSIPPI
COUNTY OF RANKIN

THIS 1ST DAY OF MAY 2013, 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 aforesaid, before me the undersigned officer in and for said County and State, who being duly sworn, deposes and says that said newspaper has been published for more than 12 months prior to the first publication of the attached notice and is qualified under Chapter 13-3-31, Laws of Mississippi, 1936, and laws supplementary and amendatory thereto, and that a certain

2012 DRINKING WATER QUALITY REPORT

GREENFIELD WATER ASSOCIATION

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

Vol 165 No 41 on the 1st day of May, 2013

Marcus Bowers

MARCUS BOWERS, Publisher

Sworn to and subscribed before me by the aforementioned Marcus Bowers this 1st day of May, 2013

Francis Conger Notary Public
FRANCIS CONGER
My Commission Expires: January 25, 2014

PRINTERS FEE:

3 column by 10 1/2" x 15 1/2" per column inch..... \$283.50

Proof of publication..... 3.00

TOTAL..... \$286.50



2012 Annual Drinking Water Quality Report
Greenfield Water Association, Inc.
Form 501011
MAY 2013

We're pleased to present to you this year's Annual Quality Water Report. This report is designed to inform you about the quality of your water and to help you understand the efforts we make to ensure the safety of your water. The report is a key tool in our ongoing commitment to ensuring the quality of your water. Our water comes from the Greenfield Water Association.

The annual water quality report is prepared for our public water system. It summarizes the health of our water system and provides information on the quality of our water. A report containing information on the quality of our water is available to you. The report is prepared by the Greenfield Water Association and is available to you. The report is prepared by the Greenfield Water Association and is available to you.

If you have any questions about this report or concerning your water, please contact our office. We are located at 1015 East 17th Avenue, Brandon, MS 39043. Our office hours are 8:00 AM to 5:00 PM, Monday through Friday. Our phone number is 662-373-1111. Our fax number is 662-373-1112. Our website is www.greenfieldwater.com.

We routinely monitor for contaminants to protect drinking water according to Federal and State laws. The table below lists all of the drinking water contaminants that we checked during the period of January 1 to December 31, 2012. It lists the maximum contaminant level (MCL) for each contaminant. The table also lists the MCLG, the health-based goal for each contaminant. The table also lists the MCLD, the drinking water quality standard for each contaminant. The table also lists the MCL, the drinking water quality standard for each contaminant. The table also lists the MCL, the drinking water quality standard for each contaminant.

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

Maximum Contaminant Level Goal (MCLG) - The "Ideal" MCLG is the level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs are set to protect the public health. The MCLG is the level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs are set to protect the public health. The MCLG is the level of a contaminant in drinking water below which there is no known or expected risk to health.

Maximum Contaminant Level Daily (MCLD) - The MCLD is the level of a contaminant in drinking water that is allowed in drinking water. MCLDs are set to protect the public health. The MCLD is the level of a contaminant in drinking water that is allowed in drinking water. MCLDs are set to protect the public health. The MCLD is the level of a contaminant in drinking water that is allowed in drinking water.

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Table: TEST RESULTS

Contaminant	Unit	Date	Level	Range of Values	MCL	MCLG	MCLD	Health-based Contamination
Inorganic Contaminants								
10. Arsenic	mg/L	05/11	0.01	No Range	0.05	0.01	0.01	Exposure to arsenic over time can lead to cancer, heart disease, and other health problems.
11. Copper	mg/L	05/11	0.2	No Range	1.3	1.3	1.3	Exposure to copper over time can lead to stomach and intestinal problems, and other health problems.
12. Fluoride	mg/L	05/11	0.11	No Range	4.0	4.0	4.0	Exposure to fluoride over time can lead to tooth decay and other health problems.
13. Lead	mg/L	05/11	0.0	No Range	0.01	0.01	0.01	Exposure to lead over time can lead to brain and kidney damage, and other health problems.
Disinfection By-Products								
14. THM5	mg/L	05/11	0.14	No Range	0.1	0.1	0.1	Exposure to THM5 over time can lead to cancer and other health problems.
15. Haloacetic Acids (HAA5)	mg/L	05/11	0.0	No Range	0.1	0.1	0.1	Exposure to HAA5 over time can lead to cancer and other health problems.

After each report, we provide you with a list of actions you can take to protect your water. We encourage you to take these actions to protect your water.

If you are concerned about the quality of your water, please contact our office. We are located at 1015 East 17th Avenue, Brandon, MS 39043. Our office hours are 8:00 AM to 5:00 PM, Monday through Friday. Our phone number is 662-373-1111. Our fax number is 662-373-1112. Our website is www.greenfieldwater.com.

Appendix A: 2013 MESSAGE FROM MICH CONCERNING RADIOLOGICAL RISK

The Radiological Risk, or Radon, is a naturally occurring radioactive gas that is found in the air and in the ground. Radon is a colorless, odorless, and tasteless gas that is produced by the natural decay of uranium and thorium in the earth's crust. Radon is a leading cause of lung cancer and is the second leading cause of lung cancer deaths in the United States.

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RECEIVED-WATER SUPPLY

2013 MAY -7 PM 2:58

INVOICE **

Page 1

Rankin County News
207 East Government St.
P. O. Box 107
Brandon, MS 39043-0107
Telephone 601-825-8333

Invoice # 178488
Invoice Date 5/01/13
Due Date: 5/31/13

Bill To: Greenfield Water Assoc.
1608 Highway 469 N
Pearl, MS 39208-8715

Deliver To: Greenfield Water Assoc.
1608 Highway 469 N
Pearl, MS 39208-8715

Customer #: 4093

Your PO:

Terms: No Discount

Service	Qty	Unit	Price	Ext-price
Drinking Water Quality Report	40.50000		7.00	283.50
Proof of Publication	1.00000		3.00	3.00
3x13.5 inch ad at \$7.00 per column inch				
		TOTAL		286.50
		Sales Tax		0.00
		BALANCE DUE --->		286.50

5-3-13
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\$ 286.50