

RECEIVED-WATER SUPPLY
2010 JUN 17 AM 9:36



MISSISSIPPI STATE DEPARTMENT OF HEALTH

BUREAU OF PUBLIC WATER SUPPLY

CALENDAR YEAR 2009 CONSUMER CONFIDENCE REPORT
CERTIFICATION FORM

SouthWest Rankin Water Assoc.
Public Water Supply Name

610024 610040
List PWS ID #s for all Water Systems Covered by this CCR

The Federal Safe Drinking Water Act 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 to the customers, published in a newspaper of local circulation, or provided to the customers upon request.

Please Answer the Following Questions Regarding the Consumer Confidence Report

- Customers were informed of availability of CCR by: *(Attach copy of publication, water bill or other)*
 - Advertisement in local paper
 - On water bills
 - Other _____

Date customers were informed: ___ / ___ / ___

- CCR was distributed by mail or other direct delivery. Specify other direct delivery methods:

Date Mailed/Distributed: ___ / ___ / ___

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

Name of Newspaper: Rankin County News

Date Published: 6/9/2010

- CCR was posted in public places. *(Attach list of locations)*

Date Posted: ___ / ___ / ___

- CCR was posted on a publicly accessible internet site at www. _____

CERTIFICATION

I hereby certify that a consumer confidence report (CCR) has been distributed to the customers of this public water system in the form and manner identified above. 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.

Bobby Campbell Pres.
Name/Title (President, Mayor, Owner, etc.)

6-16-10
Date

*Mail Completed Form to: Bureau of Public Water Supply/P.O. Box 1700/Jackson, MS 39215
Phone: 601-576-7518*

570 East Woodrow Wilson • Post Office Box 1700 • Jackson, MS 39215-1700
601-576-8090 • 1-866-HLTHY4U • www.HealthyMS.com

Equal Opportunity in Employment/Services

5

2009 Annual Drinking Water Quality Report
 South West Rankin Water Association
 PWS#: 0610026 & 0610040
 May 2010

RECEIVED-WATER SUPPLY
 2010 JUN 10 AM 9:17

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, Cockfield Formation and the Catahoula Formation 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. The general susceptibility rankings assigned to each well of this system are provided immediately below. 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 SW Rankin Water Association have received a moderate susceptibility ranking to contamination.

If you have any questions about this report or concerning your water utility, please contact James Axton Miller at 601.953.7117. 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 first Monday of each month at 7:30 PM at 201 South County Line Road, Florence, MS 39073.

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, 2009. In cases where monitoring wasn't required in 2009, 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 rap 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.

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 ID#: 0610026		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	2006*	.001	No Range	ppm	2	2	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
13. Chromium	N	2006*	.6	No Range	ppb	100	100	Discharge from steel and pulp mills; erosion of natural deposits
14. Copper	N	2008*	.2	0	ppm	1.3	AL=1.3	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
16. Fluoride**	N	2006*	1.54	1.38 – 1.54	ppm	4	4	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories
17. Lead	N	2008*	2	0	ppb	0	AL=15	Corrosion of household plumbing

systems, erosion of natural deposits

Disinfection By-Products

81. HAA5	N	2009	52	51 - 53	ppb	0	60	By-Product of drinking water disinfection.
82. TTHM [Total trihalomethanes]	Y	2009	103	102 - 104	ppb	0	80	By-product of drinking water chlorination.
Chlorine	N	2009	.9	.23 - .9	ppm	0	MDRL = 4	Water additive used to control microbes

* Most recent sample. No sample required for 2009.

** Fluoride level is routinely adjusted to the MS State Dept of Health's recommended level of 0.7 - 1.3 mg/l

PWS ID#: 0610040		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

8. Arsenic	N	2008*	.5	No Range	ppb	n/a	10	Erosion of natural deposits; runoff from orchards; runoff from glass and electronics production wastes
10. Barium	N	2008*	.065	No Range	ppm	2	2	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
11. Beryllium	N	2008*	.1	No Range	ppb	4	4	Discharge from metal refineries and coal-burning factories; discharge from electrical, aerospace, and defense industries
13. Chromium	N	2008*	.9	No Range	ppb	100	100	Discharge from steel and pulp mills; erosion of natural deposits
14. Copper	N	2008*	1	0	ppm	1.3	AL=1.3	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
16. Fluoride**	N	2008*	.756	No Range	ppm	4	4	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories
17. Lead	N	2008*	3	0	ppb	0	AL=15	Corrosion of household plumbing systems, erosion of natural deposits
21. Selenium	N	2008*	.9	No Range	ppb	50	50	Discharge from petroleum and metal refineries; erosion of natural deposits; discharge from mines

Disinfection By-Products

82. TTHM [Total trihalomethanes]	N	2005*	2	No Range	ppb	0	80	By-product of drinking water disinfection.
Chlorine	N	2009	3.03	.67 - 3.03	ppm	0	MDRL = 4	Water additive used to control microbes

* Most recent sample. No sample required for 2009.

** Fluoride level is routinely adjusted to the MS State Dept of Health's recommended level of 0.7 - 1.3 mg/l.

Disinfection By-Products:

(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.

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 the first and second quarter of 2009 our water system violated a drinking water standard by exceeding the MCL for Disinfection By-Products.

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 for \$10 per sample. 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 South West Rankin Water Association 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 10TH DAY OF JUNE, 2010, 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

2009 Annual Drinking Water Quality Report
South West Rankin Water Association
PWS#: 0610026 & 0610040
May 2010

2009 ANNUAL DRINKING WATER QUALITY REPORT

SOUTH WEST RANKIN WATER ASSOCIATION

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

Vol 162 No. 46 on the 9th day of June, 2010

Marcus Bowers

MARCUS BOWERS, Publisher

Sworn to and subscribed before me by the aforementioned Marcus Bowers this 10th day of June, 2010

Frances Conger, Notary Public
FRANCES CONGER
My Commission Expires: January 25, 2014

PRINTER'S FEE: 3 column by 16 inch ad at

\$6.50 per colum inch..... \$312.00

Proof of Publication..... 3.00

TOTAL..... **\$315.00**



I present to you this year's Annual Quality Water Report. This report is designed to inform you about the quality water and services we every day. Our constant goal is to provide you with a safe and dependable supply of drinking water. We want you to understand the ke to continually improve the water treatment process and protect our water resources. We are committed to ensuring the quality of your ter source is from wells drawing from the Sparta Sand, Cockfield Formation and the Catahoula Formation Aquifers.

After assessment has been completed for our public water system to determine the overall susceptibility of its drinking water supply to nital sources of contamination. The general susceptibility rankings assigned to each well of this system are provided immediately below, aining detailed information on how the susceptibility determinations were made has been furnished to our public water system and is ewing upon request. The wells for the SW Rankin Water Association have received a moderate susceptibility ranking to contamination.

For any questions about this report or concerning your water utility, please contact James Axton Miller at 601.953.7117. We want our valued be informed about their water utility. If you want to learn more, please attend any of our regularly scheduled meetings. They are held on ey of each month at 7:30 PM at 201 South County Line Road, Florence, MS 39073.

We monitor for constituents in your drinking water according to Federal and State laws. This table below lists all of the drinking water that we detected during for the period of January 1st to December 31st, 2009. In cases where monitoring wasn't required in 2009, the the most recent results. As water travels over the surface of land or underground, it dissolves naturally occurring minerals and, in some tive materials and can pick up substances or contaminants from the presence of animals or from human activity, microbial contaminants, as and bacteria, that may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife; inorganic such as salts and metals, which can be naturally occurring or result from urban storm-water runoff, industrial, or domestic wastewater; and gas production, mining, or farming; pesticides and herbicides, which may come from a variety of sources such as agriculture, urban soil, and residential use; organic chemical contaminants, including synthetic and volatile organic chemicals, which are by-products of ases and petroleum production, and can also come from gas stations and septic systems; radioactive contaminants, which can be ring 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 at least the amount of certain contaminants in water provided by public water systems. All drinking water, including bottled drinking water, nably expected to contain at least small amounts of some constituents. It's important to remember that the presence of these constituents earily indicate that the water poses a health risk.

You will find many terms and abbreviations you might not be familiar with. To help you better understand these terms we've provided the lions.

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

Maximum Level (MCL) - The "Maximum Allowed" (MCL) is the highest level of a contaminant that is allowed in drinking water. MCLs are (the MCLGs as feasible using the best available treatment technology.

Maximum Level Goal (MCLG) - The "Goal" (MCLG) is the level of a contaminant in drinking water below which there is no known or e health. MCLGs allow for a margin of safety.

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

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

mg/l (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

µg/l (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

# 0610026 TEST RESULTS								
Violation Y/N	Date Collected	Level Detected	Range of Detects or # of Samples Exceeding MCL/MCLG	Unit Measurement	MCLG	MCL	AL	Likely Source of Contamination
N	2008*	0.01	No Range	ppm		2	2	Discharge of drilling wastes, discharge from metal refineries, erosion of natural deposits
N	2008*	6	No Range	ppb	100	100		Discharge from steel and pulp mills, erosion of natural deposits
N	2008*	2	0	ppm	1.3	AL=1.3		Corrosion of household plumbing systems, erosion of natural deposits, leaching from wood preservatives
N	2008*	1.54	1.38 - 1.54	ppm		4	4	Erosion of natural deposits, water additive which promotes strong teeth, discharge from fertilizer and aluminum factories
N	2008*	2	0	ppb	0	AL=15		Corrosion of household plumbing systems, erosion of natural deposits
By-Products								
N	2009	52	51 - 53	ppb	0	60		By-Product of drinking water disinfection
Y	2009	103	102 - 104	ppb	0	70		By-Product of drinking water disinfection