

RECEIVED-WATER SUPPLY
2012 JUN 22 AM 9:37

BUREAU OF PUBLIC WATER SUPPLY
CALENDAR YEAR 2011 CONSUMER CONFIDENCE REPORT
CERTIFICATION FORM

MS STATE Penitentiary
Public Water Supply Name

0670014
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 POSTED IN Buildings

Date customers were informed: / /

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

Date Mailed/Distributed: 6/17/12

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

Name of Newspaper: _____

Date Published: / /

- CCR was posted in public places. *(Attach list of locations)* (ALL Buildings and OFFICES)

Date Posted: / /

- CCR was posted on a publicly accessible internet site at the address: 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.

Keith Christopher
Name/Title (President, Mayor, Owner, etc.)

10-20-12
Date

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

2011 Annual Drinking Water Quality Report
 MS State Penitentiary
 PWS#: 0670014
 May 2012

2012 JUN 25 AM 7:47

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 Meridian Upper Wilcox 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 MS State Penitentiary have received lower to moderate susceptibility ranking to contamination.

If you have any questions about this report or concerning your water utility, please contact Keith Christopher at 662.721.7098. We want our valued customers to be informed about their water utility. This report will be posted on all bulletin boards.

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, 2011. In cases where monitoring wasn't required in 2011, 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.

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.

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
Microbiological Contaminants								
1. Total Coliform Bacteria	N	Jan/Feb August	Monitoring Positive	1	NA	0	presence of coliform bacteria in 5% of monthly samples	Naturally present in the environment
Inorganic Contaminants								
8. Arsenic	N	2010*	.6	.5 - .6e	ppb	n/a	10	Erosion of natural deposits; runoff from orchards; runoff from glass and electronics production wastes
10. Barium	N	2010*	.003	.002 - .003	ppm	2	2	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits

13. Chromium	N	2010*	9.7	3.9 – 9.7	ppb	100	100	Discharge from steel and pulp mills; erosion of natural deposits
14. Copper	N	2011	.1	0	ppm	1.3	AL=1.3	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
16. Fluoride	N	2010*	.369	.352 – .369	ppm	4	4	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories
17. Lead	N	2011	3	0	ppb	0	AL=15	Corrosion of household plumbing systems, erosion of natural deposits
21. Selenium	N	2010*	1.9	1.3 – 1.9	ppb	50	50	Discharge from petroleum and metal refineries; erosion of natural deposits; discharge from mines

Disinfection By-Products

81. HAA5	N	2011	16	No Range	ppb	0	60	By-Product of drinking water disinfection.
82. TTHM [Total trihalomethanes]	N	2011	15	No Range	ppb	0	80	By-product of drinking water chlorination.
Chlorine	N	2011	1.1	.3 – 2.26	ppm	0	MRDL = 4	Water additive used to control microbes

* Most recent sample. No sample required for 2011.

Microbiological Contaminants:

(1) Total Coliform. Coliforms are bacteria that are naturally present in the environment and are used as an indicator that other, potentially-harmful, bacteria may be present. Coliforms were found in more samples than allowed and this was a warning of potential problems.

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. During January 2011, we tested positive for a total coliform bacteriological sample (s). The law requires that valid source water samples must be pulled within 24 hours when notified of a Total Coliform positive bacteriological sample. On February 2, 2011, we collected the source water samples in a timely manner, but due to a clerical and sampling error our system did not receive credit for the source water sample for the Ground Water Rule. Also in August 2011 we took 11 samples for coliform bacteria, one of those samples showed the presence of coliform bacteria. The standard is that no more than 1 sample per month of our samples may do so. All additional samples did not show presence of coliform bacteria.

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.

*****A MESSAGE FROM MSDH CONCERNING RADIOLOGICAL SAMPLING*****

In accordance with the Radionuclides Rule, all community public water suppliers 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 not completed the monitoring requirements. The Bureau of Public Water Supply has taken action to ensure that your water system be returned to compliance by March 31, 2013. If you have any questions, please contact Melissa Parker, Deputy Director, Bureau of Public Water Supply, at 601.576.7518.

The MS State Penitentiary 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.



TOWN OF SUNFLOWER
 P.O. BOX 127
 SUNFLOWER, MS 38778-0127
 (662) 569-3388

RECEIVED - WATER SUPPLY
 2012 JUL -2 AM 9:42

FIRST-CLASS MAIL
 U.S. POSTAGE
 PAID
 SUNFLOWER, MS 38778
 PERMIT NO. 1

TYPE OF SERVICE	METER READING		USED	CHARGES
	PRESENT	PREVIOUS		
Water	156470	155210	1,260	12.00
Sewage				12.00
Garbage				15.00

CUSTOMER		PAY GROSS AMOUNT AFTER THIS DATE
ROUTE	ACCOUNT	
1	2	7/10/12
NET AMOUNT TO BE PAID		GROSS AMOUNT TO BE PAID
39.00		44.00

MAIL THIS STUB WITH YOUR PAYMENT.

201 N RAILROAD AVENUE

Service From 05/15/2012 TO 06/14/2012 ACCOUNT 2 6/26/12

METER READ			TOTAL DUE UPON RECEIPT	LATE CHARGE AFTER DUE DATE	PAST DUE AMOUNT
MONTH	DAY	CLASS			
6	14	1	39.00	5.00	44.00

CCR Report was published in newspaper
 and will be mailed to you.

MILDRED PIERCE
 P O BOX 365
 SUNFLOWER MS 38778-0365