

2012 MAY 24 AM 9: 23

Mississippi State Department of Health

BUREAU OF PUBLIC WATER SUPPLY

CALENDAR YEAR 2011 CONSUMER CONFIDENCE REPORT CERTIFICATION FORM

Natchez Water Works

Public Water Supply Name

0010002

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: 05 / 23 / 2012 Mailed

- 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)

Date Posted 05 / 23 / 2012 Lobby Natchez Water Works

- 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 the 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.

Handwritten signature of David M. Gardner

David M. Gardner, Superintendent, Natchez Water Works

Handwritten date 5/23/12

Date

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Natchez Water Works
2011 Drinking Water Quality Report
 May 2012

We are very pleased to provide you with this year's Annual Water Quality Report. We want to keep you informed about the excellent water and services we have delivered over the past year. Our goal is and always has been to provide to you a safe and dependable supply of drinking water. The Natchez Water Works routinely monitors for contaminants in your drinking water according to Federal and State laws. Samples are taken daily to monitor chlorine content, PH levels, and fluoride levels. Samples are taken at various locations throughout the city on a monthly basis that test for the detection of coliform bacteria. Other tests are conducted on a more infrequent basis.

Is my water safe? Yes. Last year we conducted tests for many contaminants. This report is a snapshot of last year's water quality. Included are details about where your water comes from, what it contains, and how it compares to standards set by regulatory agencies. Natchez Water Works is committed to providing you with this information because informed customers are our best allies.

Do I need to take special precautions? 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, persons 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/Centers for Disease Control (CDC) guidelines on appropriate means to lessen the risk of infection by Cryptosporidium and other microbial contaminants are available from the Safe Water Drinking Hotline (800-426-4791).

Where does my water come from? Our water source is from four wells in the Lower Catahoula Formation Aquifer and one well in the Catahoula Formation Aquifer. Our source water assessment has been completed. For a report, please contact our office at 601-445-5521.

Why are there contaminants in my drinking water? 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 water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the Environmental Protection Agency's (EPA) Safe Drinking Water Hotline (800-426-4791).

The table below lists all of the drinking water contaminants that we detected during the calendar year of this report. The presence of contaminants in the water does not necessarily indicate that the water poses a health risk. Unless otherwise noted, the data presented in this table is from testing done in the calendar year of the report. The EPA or the State requires us to monitor for certain contaminants less than once per year because the concentrations of these contaminants do not change frequently.

TEST RESULTS								
Contaminant	Violation Y/N	Date Collected	Level Detected	# of Samples Exceeding MCL/ACL	Unit Measurement	MCLG	MCL	Likely Source of Contamination
Radioactive Contaminants								
Uranium	N	2009	.047	0	ug/L	0	30	Erosion of natural deposits
Alpha emitters	N	2009	.466	0	pCi/L	0	15	Erosion of natural deposits
Inorganic Contaminants								
Barium	N	2011	0.0105	0	ppm	2	2	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
Copper	N	2009	0.2	0	ppm	1.3	AL=1.3	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
Lead	N	2009	3	0	ppb	0	AL=15	Corrosion of household plumbing systems, erosion of natural deposits
Fluoride	N	2011	.846	0	ppm	0	4	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories
Nitrate (Nitrogen)	N	2011	.15	0	ppm	0	10	Fertilizer use runoff, septic tank leaching, natural

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Nitrate (Nitrogen)	N	2011	.15	0	ppm	0	10	Fertilizer use runoff, septic tank leaching, natural deposit erosion
Chromium	N	2011	.0005	0	ppm	0	.1	Discharge from steel and pulp mill. Natural erosion
Disinfectants and Disinfection By-Products								
Chlorine (as Cl ₂)	N	2011	1.4	0	ppm	4	4	Water additive used to control microbes
TTHM (Total Trihalomethanes)	N	2011	22.2	0	ppb	0	80	By-product of drinking water disinfection
HAA5 (Haloacetic Acid)	N	2011	14	0	ppb	0	60	By-product of drinking water disinfection

When samples were not returned by MS State Health Dept from 01-01-2011 to 12-31-2011, the most recent test results were used.

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

ug/L - number of micrograms of substance in one liter of water

pCi/L - picocuries per liter (a measure of radioactivity)

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 - 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.

To comply with the "Regulation Governing Fluoridation of Community Water Supplies", the Natchez Water Works is required to report certain results pertaining to fluoridation of our water system. The number of months in the previous calendar year that 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 100%.

How can I get involved? Please join us for our monthly Board of Water Commissioners meeting on the third Tuesday of each month at 5:15 at our office at 150 N. Shields Lane, Natchez, MS. Please be assured that those of us who work with the Natchez Water Works work hard every day to provide quality drinking water to every customer. 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.

Additional information for lead. 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. Natchez Water Works 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 \$10.00 per sample. Please contact 601-576-7582 if you wish to have your water tested.

2011 Consumer Confidence Report