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MISSISSIPPI STATE DEPARTMENT OF HEALTH

BUREAU OF PUBLIC WATER SUPPLY

CALENDAR YEAR 2010 CONSUMER CONFIDENCE REPORT CERTIFICATION FORM

Adams County Water Association Inc. Public Water Supply Name

0010013 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: 6/14/11

- 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: / /

- 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.

General Manager Name/Title (President, Mayor, Owner, etc.)

6-20-11 Date

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

***The Water We Drink***  
***Adams County Water Association, Inc.***  
***System ID No. 0010013***  
***June 15, 2011***

The Annual Quality Report is prepared each year for your information. The 2010 results indicate that your water quality is excellent. Our goal is to furnish you with a safe and dependable supply of water. We are committed to improving service and ensuring the quality of your water which comes from underground wells, drawn from the Lower Catahoula Aquifer.

**Your water meets all federal and state requirements.**

We value our customers and we want you to be informed about your water utility. The regularly scheduled meetings are held the second Thursday of each month at 6:00 p.m. at the office at 678 Highway 61 North. If you would like to be placed on the agenda, or if you have questions, please contact Kenneth Herring at 601-446-6616.

Natchez Water Works routinely monitors for constituents in your drinking water according to Federal and State laws. This table shows the results of the monitoring for the period of January 1<sup>st</sup> to December 31<sup>st</sup>, 2010. As water travels over the land or underground, it can pick up substances or contaminants such as microbes, inorganic and organic chemicals, and radioactive substances. All drinking water, including bottled drinking water, may reasonably be expected to contain at least small amounts of some constituents. It's important to remember that the presence of these constituents does not necessarily pose a health risk.

In this table you may find terms and abbreviations that might not be familiar to you. To help you better understand these terms we've provided the following definitions:

*Non-Detects (ND)* - laboratory analysis indicates that the constituent is not present.

*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.

*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.

*Maximum Contaminant Level Goal* - 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.

ug/L – Number of micrograms of substance in one liter of water.

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

## TEST RESULTS

Contaminant	Violation Y/N	Date Collected	Level Detected	Range of Detects or # of Samples Exceeding MCL/ACL	Unit Measurement	MCL G	MCL	Likely Source of Contamination
<b>Microbiological Contaminants</b>								
Total Coliform (positive samples/month)	Yes	09-2010	Positive	2	ppm	0	2	Naturally present in the environment
<b>Disinfectants &amp; Disinfection By-Products</b>								
Chlorine (as Cl <sub>2</sub> ) (ppm)	N	2010	0.80	0.76 – 0.99	ppm	4	4	Water additive used to control microbes
<b>Inorganic Contaminants</b>								
10. Barium	N	2008	.009466	0	ppm	2	2	Discharge of drilling wastes, discharge from metal refineries, erosion of natural deposits.
14. Copper	N	2008	0.0170	0	ppm	1.3	AL=1.3	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
16. Fluoride	N	2008	0.921	0	ppm	0	4	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories
17. Lead	N	2008	0.0013	0	ppm	0	AL=15	Corrosion of household plumbing systems, erosion of natural deposits
19. Nitrate (as Nitrogen)	N	2009	0.20	0	ppm	10	10	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits
<b>Volatile Organic Contaminants</b>								
73. TTHM (Total Trihalomethanes)	N	2009	35.24	0	ppb	0	80	Byproduct of drinking water chlorination
HAA5 (Haloacetic Acid)	N	2010	10.0	0	ppb	0	60	Byproduct of drinking water chlorination

When samples were not taken from 01-01-10 to 12-31-10, the most recent test results were used.

Natchez Water Works violated the total coliform rule in September 2010. Total coliform bacteria are generally not harmful themselves. Coliforms are bacteria which are naturally present in the environment and are used as an indicator that other, potentially-harmful, bacteria may be present. Subsequent testing showed that no coliforms were present and that no corrective action was necessary. At no time was the disinfection process interrupted. It is possible that a sampling error may have occurred that resulted in positive results.

(16) Fluoride. Some people who drink water containing fluoride in excess of the MCL over many years could get bone disease, including pain and tenderness of the bones. Children may get mottled teeth.

To comply with the "Regulation Governing Fluoridation of Community Water Supplies," the City of Natchez 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 10. The percentage of fluoride samples collected in the previous calendar year that was within the optimal range of 0.7-1.3 ppm was 91%.

(17) Lead. Infants and children who drink water containing lead in excess of the action level could experience delays in their physical or mental development. Children could show slight deficits in attention span and learning abilities. Adults who drink this water over many years could develop kidney problems or high blood pressure.

#### 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 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 (800-426-4791).

The source water assessment has been completed. The wells for the Natchez Water Works PSI # 010002 have received a moderate susceptibility ranking to contamination: however, because the wells are over 500 feet deep, the possibility of contamination is greatly reduced. For a copy of the report, please contact our office at 601-446-6616.

Serving a population of over 22,500, Adams County Water Association is one of the largest water associations in the state. The Association maintains more than 400 miles of water lines, ten elevated water tanks, nine wells and approximately 5,800 meters. The three certified operators are conscientious about providing excellent service, and technicians regularly attend continuing education courses in order to better serve you.

All of us at Adams County Water Association strive to offer exceptional service with reasonable rates. Our efforts were recently rewarded when the Association was recognized by USDA for “maintaining a highly successful and sustainable water system and demonstrating exceptional management.” The annual financial report may be reviewed at the office, or a copy is available upon written request.

Clean water is our most valuable resource and conserving it is everyone’s responsibility. 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.