

BUREAU OF PUBLIC WATER SUPPLY RECEIVED-WATER SUPPLY

CALENDAR YEAR 2008 CONSUMER CONFIDENCE REPORT
CERTIFICATION REPORT

2009 JUL -1 AM 9:06

CITY OF UNION
PWS ID # 0510011

APPROVED

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: 6-24-09

- 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 and proof of publication)*

Name of Newspaper: The Newton County Appeal
Date Published: 6-24-09

- 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.

Max Jessima
Name/Title (President, Mayer, Owner, etc.)

06/30/09
Date

This Consumer Confidence Report (CCR) was completed by MS Cross Connection, LLC with information provided by the above Public Water System and is certified only to be as true & correct as the information provided.

Susan Boyer
Signature

6-15-09
Date

**Mail completed form to: Bureau of Public Water Supply ~ P O Box 1700 ~ Jackson, MS 39215
Phone: 601-576-7518**

RECEIVED-WATER SUPPLY

2009 JUL -1 AM 9: 06

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PROOF OF PUBLICATION

STATE OF MISSISSIPPI COUNTY OF NEWTON

Personally came before me the undersigned authority, in and for the County and State aforesaid Jack R. Tannehill, who being by me duly sworn, states on oath that he is the Publisher of *The Newton County Appeal*, a newspaper published in Newton County, Mississippi continuously for more than 1 year prior to first publication of this notice and that publication of the notice, a copy of which is hereto attached, has been made in said paper _____ times consecutively, to-wit:

For City of Union

Vol. No. 100 No. 46 Date 6-24, 2009

Vol. No. _____ No. _____ Date _____, 20____

Publisher Signature: _____

Jack R. Tannehill

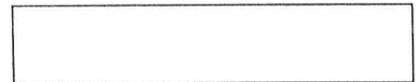
Sworn to and subscribed before me,

this 25th day of June, 2009

Darlene Gordon

Notary Public

Paste clipping here



Publication: \$ _____

Proof: \$ 3.00

TOTAL: \$ _____

Annual Drinking Water Quality Report City of Union

PWS ID # 0510011

June, 2009

RECEIVED-WATER SUPPLY
JUL -1 AM 9:07

We're pleased to present to you this year's Annual Water Quality 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 consists of three wells that draw from the Meridian Upper Wilcox Aquifer.

A source water assessment has been completed for the water supply to determine the overall susceptibility of its drinking water to identify potential sources of contamination. A report containing detailed information has been received by our office and will be made available for review upon request. The water supply for the City of Union received a low susceptibility ranking to contamination.

We're pleased to report that our drinking

water meets all federal and state requirements.

If you have any questions about this report or concerning your water utility, please contact Don Thomas at 601-774-9422. 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 Tuesday of each month at City Hall at 7:00 pm.

The City of Union routinely monitors for constituents in your drinking water according to Federal and State laws. This table shows the results of our monitoring for the period of January 1st to December 31st, 2008. 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 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 pose a health risk.

A 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. The Bureau of Public Water Supply is taking action to resolve this issue as quickly as possible. If you have any questions, please contact Melissa Parker, Deputy Director, Bureau of Public Water Supply, at 601-576-7518.

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. The City of Union 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.

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.

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.

TEST RESULTS

| Contaminant | Violation Y/N | Date Collected | Level Detected | Range of Detects or # of Samples Exceeding MCL/AQL | Unit Measurement | MCLG | MCL | Likely Source of Contamination |
|--------------------------------------|---------------|----------------|----------------|--|------------------|------|---|--|
| Microbiological Contaminants | | | | | | | | |
| 1. Total Coliform Bacteria | Y | Oct 08 | Pos | 3 | | 0 | presence of coliform bacteria in 5% of monthly samples | Naturally present in the environment |
| 2. Fecal coliform and <i>E. coli</i> | Y | Oct 08 | Pos | 1 | | 0 | a routine sample and repeat sample are total coliform positive, and one is also fecal coliform or <i>E. coli</i> positive | Human and animal fecal waste |
| Inorganic Contaminants | | | | | | | | |
| 10. Barium | N | 2006* | 0.2 | No Range | Ppm | 2 | | Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits |
| 14. Copper | N | 2007* | 0.1 | None | ppm | 1.3 | AL=1.3 | Corrosion of household plumbing systems; erosion of natural deposits; leaching |

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| | | | | | | | | also fecal coliform or E. coli positive |
|---|---|----------------|--------------|----------|-----|-----|--------|---|
| Inorganic Contaminants | | | | | | | | |
| 10. Barium | N | 2006* | 0.2 | No Range | Ppm | 2 | 2 | Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits |
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| 16. Fluoride | N | 2006* | 0.4 | No Range | ppm | 4 | 4 | Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories |
| 17. Lead | N | 2007* | 1 | None | ppb | 0 | AL=15 | Corrosion of household plumbing systems; erosion of natural deposits |
| Volatile Organic Contaminants | | | | | | | | |
| 73. TTHM [Total trihalomethanes] | N | | 18 | None | ppb | 0 | 80 | By-product of drinking water chlorination |
| Disinfectants & Disinfection By-Products | | | | | | | | |
| Chlorine (as Cl ₂) | N | Jan - Dec 2008 | 0.80 to 0.81 | None | ppm | 4 | 4 | Water additive used to control microbes |

*Most recent sample results available

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. Coli forms were found in more samples than allowed and this was a warning of potential problems.

(2) Fecal coliform/E.Coli. Fecal coli forms and E. coli are bacteria whose presence indicates that the water may be contaminated with human or animal wastes. Microbes in these wastes can cause short-term effects, such as diarrhea, cramps, nausea, headaches, or other symptoms. They may pose a special health risk for infants, young children, and people with severely compromised immune systems.

The table shows that our system uncovered some problems this year. The duration of the violation was one sampling period. The potential adverse health effects are (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.

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people with severely compromised immune systems. We have corrected this by repeating the samples as required and they all came back negative.

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. Immunocompromised 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). Please call our office if you have questions.

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Annual Drinking Water Quality Report
City of Union
PWS ID # 0510011
June, 2009

Health
Dept.
copy

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