

RECEIVED-WATER SUPPLY  
2010 JUL -1 PM 1:23



MISSISSIPPI STATE DEPARTMENT OF HEALTH

**BUREAU OF PUBLIC WATER SUPPLY**

**CALENDAR YEAR 2009 CONSUMER CONFIDENCE REPORT  
CERTIFICATION FORM**

City of Columbus - Light & Water  
Public Water Supply Name

044-0003  
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: 6 / 28 / 10

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

Date Mailed/Distributed: 6 28 / 10

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.

Tommy Case  
Name/Title (President, Mayor, Owner, etc.)

6/29/10  
Date

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



# Water Quality Data Table & Test Results

## WHERE DO WE GET OUR WATER?

Our underground water is pumped from eight wells drawing from the massive sand of the lower Tuscaloosa Aquifer.

## SOURCE WATER PROTECTION

The source water assessment has been completed for our public water system to identify potential sources of contamination and determine the overall susceptibility of the drinking water supply. Susceptibility assessment has been completed and all wells have ranked moderate by the MDEQ for vulnerability to contamination.

## CONTACT US

As a valued customer, we want you to be informed about your water utility. If you have any questions, please contact Columbus Light & Water at 662-328-7192, Monday through Friday from 8:00 a.m. to 5:00 p.m.

## WATER QUALITY

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 chemical and radioactive substances. All drinking water, including bottled water, may reasonably be expected to contain at least small amounts of 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.

## TESTING

The Columbus Light & Water Department routinely monitors for constituents in your drinking water according to Federal and Mississippi state laws. This table shows the results of our monitoring 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 you can see by the table, our system had no violations. We're proud that your drinking water meets or exceeds all Federal and state requirements. We have learned through our monitoring and testing that some constituents have been detected, however the EPA has determined that your water is safe at these levels.

## 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. ABC 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.

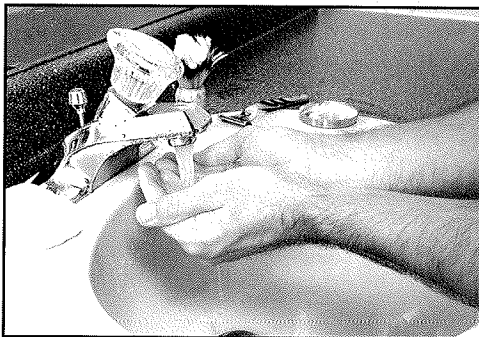
## SPECIAL POPULATIONS

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 ways to lessen the risk of infection by cryptosporidium and other microbiological contaminants are available from the Safe Drinking Water Hotline: 1-800-426-4791.

At Columbus Light & Water we work around the clock to provide top quality water to every tap. Please call our office if you have any questions. 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.

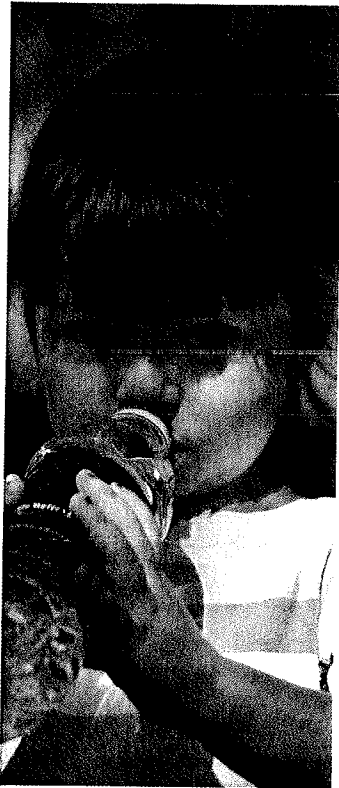


[www.columbuslw.com](http://www.columbuslw.com)



| Contaminant                    | Violation Y/N | Date Collected | Level Detected                               | MCL       | Likely Source of Contamination  |
|--------------------------------|---------------|----------------|--|-----------|---|
| <b>DISINFECTION BYPRODUCTS</b> |               |                |  |           |   |
| Chlorine                       | N             | 2009           | 1.93 RAA<br>1.98 max. mg/L<br>1.90 min. mg/L | 4.0 mg/L  | Water additive used to control microbes   |
| Total Haloacetic Acids (HAA5)  | N             | 2009           | 0.0 ppb                                      | 0.060 ppm | Byproduct of drinking water disinfection  |
| Total Trihalomethanes (TTHM)   | N             | 2009           | 1.50 ppb                                     | 0.080 ppm | Byproduct of drinking water disinfection  |
| <b>INORGANIC CHEMICALS</b>     |               |                |  |           |   |
| Antimony                       | N             | 2009           | <0.0005 ppm                                  | 0.006 ppm | Discharge from petroleum refineries; fire retardants; ceramics; electronics; solder   |
| Arsenic                        | N             | 2009           | <0.0005 ppm                                  | 0.010 ppm | Erosion of natural deposits; runoff from orchards, runoff from glass & electronics production wastes                              |
| Barium                         | N             | 2009           | 0.009171 ppm*<br>0.019249 ppm**              | 2 ppm     | Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits  |
| Beryllium                      | N             | 2009           | <0.0005 ppm                                  | 0.004 ppm | Discharge from metal refineries & coal-burning factories; discharge from electrical, aerospace, & defense industries              |
| Cadmium                        | N             | 2009           | <0.0005 ppm                                  | 0.005 ppm | Corrosion of galvanized pipes; erosion of natural deposits; discharge from metal refineries; runoff from waste batteries & paints |
| Chromium                       | N             | 2009           | <0.0005 ppm                                  | 0.1 ppm   | Discharge from steel and pulp mills; erosion of natural deposits  |
| Cyanide                        | N             | 2009           | <0.015 ppm                                   | 0.2 ppm   | Discharge from steel/metal, plastic & fertilizer factories  |
| Flouride                       | N             | 2009           | 0.863 ppm*<br>0.838 ppm**                    | 4 ppm     | Water additive which promotes strong teeth; erosion of natural deposits; discharge from fertilizer & aluminum factories           |
| Lead                           | N             | 2009           | 12 ppb                                       | 15 ppb    | Corrosion of household plumbing systems; Erosion of natural deposits  |
| Mercury                        | N             | 2009           | <0.0005 ppm                                  | 0.002 ppm | Erosion of natural deposits; discharge from refineries and factories; runoff from landfills & croplands                           |
| Nitrate                        | N             | 2009           | <0.2 ppm                                     | 10 ppm    | Runoff from fertilizer use, leaching from septic tanks/sewage, erosion of natural deposits  |
| Nitrite                        | N             | 2008           | <0.05 ppm                                    | 1 ppm     | Runoff from fertilizer use, leaching from septic tanks/sewage, erosion of natural deposits  |
| Nitrate+Nitrite                | N             | 2009           | <0.25 ppm                                    | 10 ppm    | Runoff from fertilizer use, leaching from septic tanks/sewage, erosion of natural deposits  |
| Selenium                       | N             | 2009           | <0.0025 ppm                                  | 0.05 ppm  | Discharge from petroleum refineries; erosion of natural deposits; discharge from mines  |
| Thallium                       | N             | 2009           | <0.0005 ppm                                  | 0.002 ppm | Leaching from ore-processing sites; discharge from electronics, glass & drug factories  |
| <b>ORGANIC CHEMICALS</b>       |               |                |  |           |   |
| Benzene                        | N             | 2009           | <0.5 ppb                                     | 5 ppb     | Discharge from factories; leaching from gas storage tanks & landfills   |
| Carbon Tetrachloride           | N             | 2009           | <0.5 ppb                                     | 5 ppb     | Discharge from chemical plants & industrial activities  |
| CIS- 1, 2-Dichloroethylene     | N             | 2009           | <0.5 ppb                                     | 70 ppb    | Discharge from meat & fish or pharmaceutical industries   |
| Dichloromethane                | N             | 2009           | <0.05ppb                                     | 5ppb      |   |
| Dichlorobenzene                | N             | 2004           | <0.5 ppb                                     | 5 ppb     | Discharge from industrial chemical factories  |
| O-Dichlorobenzene              | N             | 2009           | <0.5 ppb                                     | 600 ppb   | Discharge from industrial chemical factories  |
| P-Dichlorobenzene              | N             | 2009           | <0.5 ppb                                     | 75 ppb    | Discharge from industrial chemical factories  |
| 1, 2-Dichloroethane            | N             | 2009           | <0.5 ppb                                     | 5 ppb     | Discharge from industrial chemical factories  |
| 1, 1-Dichloroethylene          | N             | 2009           | <0.5 ppb                                     | 7 ppb     | Discharge from industrial chemical factories  |
| 1, 2-Dichloropropane           | N             | 2009           | <0.5 ppb                                     | 5 ppb     | Discharge from industrial chemical factories  |
| Ethylbenzene                   | N             | 2009           | <0.5 ppb                                     | 700 ppb   | Discharge fom petroleum refineries  |
| Monochlorobenzene              | N             | 2009           | <0.5 ppb                                     | 100 ppb   | Discharge from paint, glass & ceramic industries  |
| Tetrachloroethylene            | N             | 2009           | <0.5 ppb                                     | 5 ppb     | Discharge from factories & dry cleaners   |
| Trans- 1, 2-Dichloroethylene   | N             | 2009           | <0.5 ppb                                     | 100 ppb   | Discharge from industrial chemical factories  |
| 1, 1, 1-Trichloroethane        | N             | 2009           | <0.5 ppb                                     | 200 ppb   | Discharge from metal degreasing sites & factories   |
| Trichloroethylene              | N             | 2009           | <0.5 ppb                                     | 5 ppb     | Discharge from metal degreasing sites & factories   |
| 1, 1, 2-Trichloroethane        | N             | 2009           | <0.5 ppb                                     | 5 ppb     | Discharge from industrial chemical factories  |
| 1, 2, 4-Trichlorobenzene       | N             | 2009           | <0.5 ppb                                     | 70 ppb    | Discharge from textile finishing factories  |
| Toluene                        | N             | 2009           | <0.5 ppb                                     | 1000 ppb  | Discharge from petroleum factories  |
| Styrene                        | N             | 2009           | <0.5 ppb                                     | 100 ppb   | Discharge from rubber & plastic factories; leaching from landfills  |
| Vinyl Chloride                 | N             | 2009           | <0.5 ppb                                     | 2 ppb     | Leaching from PVC pipes; discharge from plastic factories   |
| Xylenes                        | N             | 2009           | <0.5 ppb                                     | 10000 ppb | Discharge from petroleum & chemical factories   |

\* Treatment Plant North | \*\* Treatment Plant South | MCL = maximum contaminant level | ppm = parts per million | ppb= parts per billion | mg/L= milligrams per liter | RAA = Running Annual Average




## 10 Easy Ways to Conserve Water

1. Collect the water you use for rinsing fruits and vegetables, then reuse it to water houseplants.
2. Shorten your shower by a minute or two and you'll save up to 150 gallons per month.
3. Don't use running water to thaw food. Defrost food in the refrigerator for water efficiency and food safety.
4. When the kids want to cool off, use the sprinkler in an area where your lawn needs it the most.
5. Use a hose nozzle or turn off the water while you wash your car. You'll save up to 100 gallons every time.
6. Listen for dripping faucets and running toilets. Fixing a leak can save 300 gallons a month or more.
7. Put food coloring in your toilet tank. If it seeps into the toilet bowl without flushing, you have a leak. Fixing it can save up to 1,000 gallons a month.
8. Install a rain sensor on your irrigation controller so your system won't run when it's raining.
9. Designate one glass for your drinking water each day or refill a water bottle. This will cut down on the number of glasses to wash.
10. Next time you add or replace a flower or shrub, choose a low water use plant for year-round landscape color and save 55 gallons each year.

To learn up to 100 ways to conserve water, visit [www.wateruseitwisely.com](http://www.wateruseitwisely.com).

**IN CASE OF EMERGENCY** **CONTACT US IMMEDIATELY TO REPORT:**

 **Call 243-7440**

- Full or partial power outages
- A downed power line (Please DO NOT touch the line)
- Water spewing from the ground, road or fire hydrant

  
**Columbus**  
**Light & Water**  
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