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MISSISSIPPI STATE DEPARTMENT OF HEALTH

BUREAU OF PUBLIC WATER SUPPLY
CALENDAR YEAR 2010 CONSUMER CONFIDENCE REPORT
CERTIFICATION FORM

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 NEWSLETTER

Date customers were informed: 6/21/11

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

Date Mailed/Distributed: 6/21/11

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.

JODD GALE
Name/Title (President, Mayor, Owner, etc.)

6/23/11
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, 2010. In cases where monitoring wasn't required in 2010, 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.

## Additional Information for Fluoridation

To comply with the "Regulation Governing Fluoridation of Community Water Supplies", the Columbus Light & Water 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%.

## SPECIAL POPULATIONS

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 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	Problem	Field	Unit	Limit	Source
<b>DISINFECTION BYPRODUCTS</b>					
Chlorine	N	2010	1.87 RAA 1.99 max. mg/L 1.77 min. mg/L	4.0 mg/L	Water additive used to control microbes
Total Haloacetic Acids (HAA5)	N	2010	0.0 ppb	0.060 ppm	Byproduct of drinking water disinfection
Total Trihalomethanes (THM)	N	2010	3.16 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	2008	<0.0005 ppm	0.010 ppm	Erosion of natural deposits; runoff from orchards, runoff from glass & electronics production wastes
Barium	N	2009	0.008171 ppm** 0.018249 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
Fluoride	N	2009	0.863 ppm** 0.838 ppm**	4 ppm	Water additive which promotes strong teeth; erosion of natural deposits; discharge from fertilizer & aluminum factories
Lead	N	2010	1 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	2010	<0.2 ppm	10 ppm	Runoff from fertilizer use, leaching from septic tanks/sewage, erosion of natural deposits
Nitrite	N	2010	<0.05 ppm	1 ppm	Runoff from fertilizer use, leaching from septic tanks/sewage, erosion of natural deposits
Nitrate/Nitrite	N	2010	<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 metal & 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 from 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 = Rolling Annual Average

## Biofuel Company, KIOR, Breaks Ground for Columbus Facility



On May 12, Governor Haley Barbour and other state and local officials joined executives from KIOR at the groundbreaking ceremony for the company's first commercial biofuel production facility in Columbus.

"KIOR is grateful for all the support we have received from every level of government in Mississippi, and we're excited to call Columbus home to our first commercial production facility," said Fred Cannon, President and CEO of the renewable fuels company. This \$190 million local investment will generate up to 100 jobs, both directly and indirectly. It is the first of five planned facilities throughout Mississippi that will provide more than 1,000 jobs statewide. The Columbus facility is on schedule to open during the second half of 2012.

Columbus Light & Water will have a power substation at the KIOR facility. KIOR will be turning woodchips (biomass) into biofuel, or as Governor Barbour put it, "It's almost like making gold from straw." The facility will initially be turning 500 tons of biomass into 11 million gallons of oil daily. This oil will then be refined into gasoline and diesel fuel blendstock, which then could be put directly into gas tanks or mixed with conventional oil.

"Every gallon or barrel of fuel we make in Columbus is a gallon or barrel of fuel we don't have to import from other countries, some of which don't like America very much," Cannon added.

KIOR executives also announced that they have entered several agreements to supply the fuel produced at the new facility. One such agreement is to supply the FedEx Corporate Service with Columbus-produced oil to use in their ground fleet. Other agreements were announced for the purchase of blendstock from the Columbus facility - one with Hunt Refining Co. and another with Catchlight Energy LLC, a joint venture between subsidiaries of Chevron Corp. and Weyerhaeuser Co.

**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**  
 Post Office Box 949  
 Columbus, MS 39703

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NEWSLETTER OF COLUMBUS LIGHT & WATER • SUMMER 2011

## CASH IN with the IN-HOME ENERGY EVALUATION PROGRAM

Columbus Light & Water and TVA are making it easier than ever to become energy efficient while also saving money. With the new In-Home Energy Evaluation Program, you can reduce your power usage and receive a cash incentive for installing home energy improvements. The recommended energy-related home improvements you make are eligible for reimbursement of 50 percent of the installation cost, with an upper limit of \$500.



### HOW IT WORKS

- Schedule an in-home energy evaluation with Columbus Light & Water by calling 1-866-441-1430. The in-home evaluation fee is \$150.00. For a limited time, Columbus Light & Water will pay \$100 of that fee. If \$150 of suggested work is performed, the remaining \$50 of the audit fee will be returned to you.
- After your home is evaluated, a report is created outlining the potential energy-efficiency modifications and available cash incentives.
- To ensure work is completed to TVA's standards, modifications must be made by a member of the TVA Quality Contractor Network, except for self-installed measures (as allowed by your local power company). The certified evaluator will provide the names of qualified contractors.
- All home modifications must be completed within 90 days. Once the work is finished, it will be inspected to ensure that everything is installed properly to maximize savings.
- After the inspection, you submit receipts for the completed work to be eligible for the cash incentive.

### CASH INCENTIVE OPTION

No matter how many modifications are made, \$500 is the maximum reimbursable amount for all approved work completed. Some modifications have lower maximum amounts, and some require pre-approval by Columbus Light & Water (see table on next page).

### ELIGIBLE IMPROVEMENTS

The items on the next page are eligible for financing or up to a 50 percent cash incentive on recommended installation measures. Some items may also be eligible for federal tax credits. For information, visit the Tax Incentives Assistance Project website at [www.energytaxincentives.org](http://www.energytaxincentives.org).

### NON-ELIGIBLE ITEMS

The following items are not eligible for this cash incentive: water heaters (including tankless), clothes washers or dryers, dishwashers, refrigerators, insulated garage doors, storm doors, window film/solar screens, radiant barriers, room air conditioners, programmable thermostats (existing systems).