

2017 CERTIFICATION

Consumer Confidence Report (CCR)

Columbus Light & Water
Public Water System Name

044-0003

List PWS ID #s for all Community Water Systems included in this CCR

The Federal Safe Drinking Water Act (SDWA) requires each Community Public Water System (PWS) to develop and distribute a Consumer Confidence Report (CCR) to its customers each year. Depending on the population served by the PWS, this CCR must be mailed or delivered to the customers, published in a newspaper of local circulation, or provided to the customers upon request. Make sure you follow the proper procedures when distributing the CCR. **You must email, fax (but not preferred) or mail, a copy of the CCR and Certification to the MSDH.** Please check all boxes that apply.

Customers were informed of availability of CCR by: *(Attach copy of publication, water bill or other)*

Advertisement in local paper *(Attach copy of advertisement)*

On water bills *(Attach copy of bill)*

Email message *(Email the message to the address below)*

Other DIRECT MAIL / NEWSLETTER

Date(s) customers were informed: / /2018 / /2018 / /2018

CCR was distributed by U.S. Postal Service or other direct delivery. Must specify other direct delivery methods used _____

Date Mailed/Distributed: 6/27/18

CCR was distributed by Email *(Email MSDH a copy)*

Date Emailed: / /2018

As a URL _____ *(Provide Direct URL)*

As an attachment

As text within the body of the email message

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: / /2018

CCR was posted on a publicly accessible internet site at the following address:

_____ *(Provide Direct URL)*

CERTIFICATION

I hereby certify that the CCR has been distributed to the customers of this public water system in the form and manner identified above and that I used distribution methods allowed by the SDWA. 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 PWS officials by the Mississippi State Department of Health, Bureau of Public Water Supply

Tom Cox GM
Name/Title *(President, Mayor, Owner, etc.)*

Date

Submission options *(Select one method ONLY)*

Mail: (U.S. Postal Service)
MSDH, Bureau of Public Water Supply
P.O. Box 1700
Jackson, MS 39215

Email: water.reports@msdh.ms.gov

Fax: (601) 576 - 7800

****Not a preferred method due to poor clarity****

CCR Deadline to MSDH & Customers by July 1, 2018!

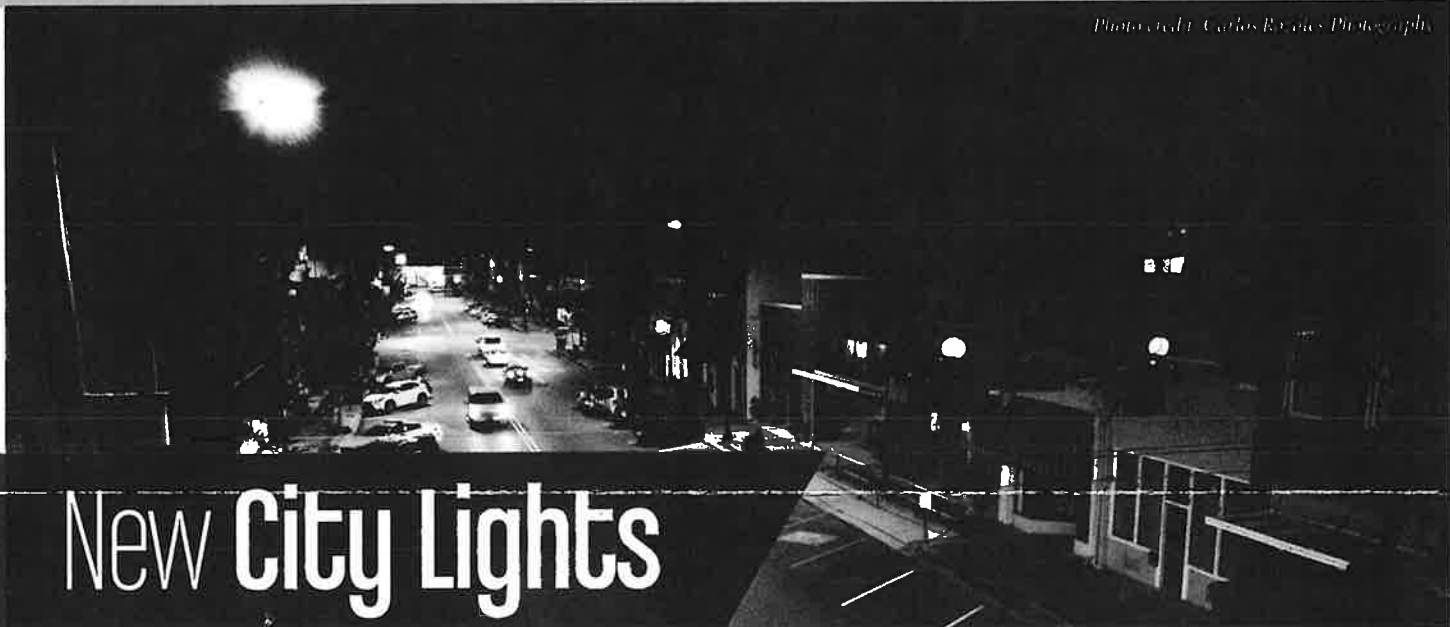


Columbus CITY NEWS



News for and about the Friendly City of Columbus, Mississippi

Photo credit: Carlos Reyes Photography



New City Lights

When Columbus Mayor Robert Smith wanted to make Columbus brighter for residents and visitors, he partnered with Columbus Light and Water. Replacing older sodium vapor street lights that gave off a yellow light with bright white LED fixtures was the plan. Soon after their conversation the work began in many parts of Columbus.

Mayor Smith told Todd Gale, general manager for Columbus Light and Water, of his desire for busy streets that were filled with bright lights that bathed the area in white lights. Mayor Smith was also adding 24-hour security cameras throughout the downtown area. The additional lighting would help vehicles and pedestrian traffic and also allow the cameras to have extended coverage.

"There is always something going on downtown and in our city," Mayor Smith said. "With all the businesses,

the Trotter Convention Center, and restaurants, there is something happening every day. We saw the need to make everything brighter and that is what we asked Columbus Light & Water to help us do."

With new LED street light fixtures that didn't exist five years ago, the streets of downtown and other areas are now brighter than ever. "We can now put out twice the light with one-third the power of the street lights we replaced," said Gale. "And since the light is now white rather than yellow, the streets are brighter and safer for everyone."

The brightness of light is measured in lumens; more lumens equals more light. The new downtown lights show over 30,000 lumens per fixture. The old lights had only 12,000 lumens. "It has been a great improvement," said Mayor Smith. "Pedestrians can now be seen walking to their cars and businesses

better than ever," Mayor Smith added. In addition to the downtown area, crews from Columbus Light & Water have changed out many of the fixtures on some of Columbus' busiest streets. Highway 45 and Highway 182 toward East Columbus already has many of the new fixtures. Over time, the older lights in Columbus will be phased out and replaced with the new LED street light fixtures.

Gale said Columbus Light & Water also makes these lights available to businesses and residents at a minimal cost. "We can come in and help make areas on private property brighter," said Gale. "The monthly cost is low, and we provide all the parts, power and the repairs. All anyone needs to do is call our main office for more information on what is available. As long as we provide service to that area, we are happy to brighten it up," Gale added.



Water Quality

Data Table & Test Results
Calendar Year 2017

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, 2017. In cases where monitoring wasn't required in 2017, 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. Columbus Light & Water 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", 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 in which average fluoride sample results were within the optimal range of 0.6-1.3 ppm was 12. The percentage of fluoride samples collected in the previous calendar year that was within the optimal range of 0.6-1.3 ppm was 100%.

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

CONTAMINATE	VIOLATION Y/N	DATE COLLECTED	LEVEL DETECTED	MCL	LIKELY SOURCE OF CONTAMINATION
DISINFECTION BYPRODUCTS					
Chlorine	N	2017	2.00 RAA 2.20 max. mg/L 1.80 min. mg/L	4.0 mg/L	Water additive used to control microbes
Total Haloacetic Acids (HAA5)	N	2017	3.0 ppb	60 ppb	Byproduct of drinking water disinfection
Total Trihalomethanes (TTHM)	N	2017	1.56 ppb	50 ppb	Byproduct of drinking water disinfection
INORGANIC CHEMICALS					
Antimony	N	2016	<0.0005 ppm	0.005 ppm	Discharge from petroleum refineries; fire retardants; ceramics; electronics; solders
Arsenic	N	2016	<0.0005 ppm	0.010 ppm	Erosion of natural deposits; runoff from orchards; runoff from glass & electronics production wastes
Barium	N	2016	0.0089 ppm 0.0132 ppm*	2 ppm	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
Beryllium	N	2016	<0.0005 ppm	0.004 ppm	Discharge from metal refineries & coal-burning factories; discharge from electrical, aerospace, & defense industries
Cadmium	N	2016	<0.0005 ppm	0.005 ppm	Corrosion of galvanized pipes; erosion of natural deposits; discharge from metal refineries; runoffs from waste batteries and
Chromium	N	2016	<0.0005 ppm* <0.0005 ppm**	0.1 ppm	Discharge from steel and pulp mills; erosion of natural deposits
Cyanide	N	2016	<0.015 ppm	0.2 ppm	Discharge from steel/metal, plastic & fertilizer factories
Fluoride	N	2016	<0.625 ppm* <0.828 ppm**	4 ppm	Water additive which promote strong teeth; erosion of natural deposits; discharge from fertilizer & aluminum factories
Lead	N	2016	0 ppb	15 ppb	Corrosion of household plumbing systems; erosion of natural
Mercury	N	2016	<0.0005 ppm	0.002 ppm	Erosion of natural deposits; discharge from refineries and factories; runoff from landfills and croplands
Nitrate	N	2017	<0.02 ppm***	10 ppm	Runoff from fertilizer use; leaching from septic tanks/sewage; erosion from natural deposits
Nitrite	N	2017	<0.02 ppm***	1 ppm	Runoff from fertilizer use; leaching from septic tanks/sewage; erosion from natural deposits
Nitrate + Nitrite	N	2017	<0.1 ppm***	10 ppm	Runoff from fertilizer use; leaching from septic tanks/sewage; erosion from natural deposits
Selenium	N	2016	<0.0025 ppm	0.05 ppm	Discharge from petroleum refineries; erosion of natural deposits; discharge from mines
Thallium	N	2016	<0.0005 ppm	0.002 ppm	Leaching from ore processing sites; discharge from electronics, glass & drug factories
ORGANIC CHEMICALS					
Benzene	N	2016	<0.5 ppb	5 ppb	Discharge from factories; leaching from gas storage tanks & landfills
Carbon Tetrachloride	N	2015	<0.5 ppb	5 ppb	Discharge from chemical plants & industrial activities
CIS- 1, 2-Dichloroethylene	N	2015	<0.5 ppb	70 ppb	Discharge from meat & fish or pharmaceutical industries
Dichloromethane	N	2015	<0.05 ppb	5 ppb	
Dichlorobenzene	N	2014	<0.5 ppb	5 ppb	Discharge from industrial chemical factories
O-Dichlorobenzene	N	2015	<0.5 ppb	600 ppb	Discharge from industrial chemical factories
P-Dichlorobenzene	N	2015	<0.5 ppb	75 ppb	Discharge from industrial chemical factories
1, 2 - Dichloroethane	N	2015	<0.5 ppb	5 ppb	Discharge from industrial chemical factories
1, 1 - Dichloroethylene	N	2016	<0.5 ppb	7 ppb	Discharge from industrial chemical factories
1, 2 - Dichloropropane	N	2015	<0.5 ppb	5 ppb	Discharge from industrial chemical factories
Ethylbenzene	N	2016	<0.5 ppb	700 ppb	Discharge from petroleum refineries
Monochlorobenzene	N	2015	<0.5 ppb	100 ppb	Discharge from paint, glass & ceramic industries
Tetrachloroethylene	N	2015	<0.5 ppb	5 ppb	Discharge from factories & dry cleaners
Trans- 1, 2 - Dichloroethylene	N	2015	<0.5 ppb	100 ppb	Discharge from industrial chemical factories
1, 1, 1 - Trichloroethane	N	2015	<0.5 ppb	200 ppb	Discharge from metal degreasing sites & factories
Trichloroethylene	N	2015	<0.5 ppb	5 ppb	Discharge from metal degreasing sites & factories
1, 1, 2 - Trichloroethane	N	2016	<0.5 ppb	5 ppb	Discharge from industrial chemical factories
1, 2, 4 - Trichlorobenzene	N	2015	<0.5 ppb	70 ppb	Discharge from textile finishing factories
Toluene	N	2015	<0.5 ppb	1000 ppb	Discharge from petroleum factories
Styrene	N	2015	<0.5 ppb	100 ppb	Discharge from rubber & plastic factories; leaching from landfills
Vinyl Chloride	N	2015	<0.5 ppb	2 ppb	Leaching from PVC pipes; discharge from plastic factories
Xylenes	N	2015	<0.5 ppb	10000 ppb	Discharge from petroleum & chemical factories

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



Columbus Light & Water
P.O. Box 949
Columbus, MS 39703

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Columbus, MS
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Photo credit: Anchored Images

Word From our Mayor

This past year has been a great year of progress for our city. Several significant accomplishments have been completed that impact our citizens each day. The City of Columbus has spent over \$5 million in capital improvement including paving and drainage.

Each of our six wards received the benefits of this work as our Councilmen determined their specific needs in their wards. We also completed the first phase of the Terry Brown Amphitheatre. This facility will soon become a destination location for our citizens and guests from throughout the state. A major year-long renovation was just completed on our downtown City Hall. The improvement keeps

the building true to the original architecture and design while incorporating energy-saving technologies throughout the building.

Columbus is a city that has it all. Our positive accomplishments are realized by the combined efforts of your dedicated City Council, social/civic organizations, city services, the business community, city employees and our residents.

Thank you for Loving Your City.

Mayor Robert Smith, Sr.



420 4th Avenue South
P.O. Box 949
Columbus, MS 39703
Telephone: (662) 328-7192

June 27, 2018

Ms. Joan Cockrell
Mississippi State Department of Health
Bureau of Public Water Supply
P.O. Box 1700
Jackson, MS 39215-1700

Dear Ms. Cockrell:

Please see the attached CCR Certification Form for Columbus Light and Water. Also, attached is a newsletter that contains the CCR Report. The mailing of this newsletter went out on June 27, 2018.

Sincerely,

A handwritten signature in black ink that reads "Todd Gale (by HT)".

Todd Gale
General Manager

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Enclosure: