**MISSISSIPPI STATE DEPARTMENT OF HEALTH**
**BUREAU OF PUBLIC WATER SUPPLY**
**CCR CERTIFICATION**
**CALENDAR YEAR 2015**

**CITY OF SHELBY**
Public Water Supply Name

**0060019**
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 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 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 mail, fax or email a copy of the CCR and Certification to 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 (MUST Email the message to the address below)
- ☐ Other _____

Date(s) customers were informed: 06 /29 / 16 , / / , / /

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

Date Mailed/Distributed: / /

CCR was distributed by Email (MUST Email MSDH a copy) Date Emailed: / /
- ☐ As a URL (Provide 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: THE BOLIVAR COMMERCIAL

Date Published: 06 /29 /16

CCR was posted in public places. ***(Attach list of locations)*** Date Posted: 07 /01 /16
CITY HALL

CCR was posted on a publicly accessible internet site at the following address (**DIRECT URL REQUIRED**):

_____

**CERTIFICATION**
I hereby certify that the 2015 Consumer Confidence Report (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 public water system officials by the Mississippi State Department of Health, Bureau of Public Water Supply.

_____ 7/1/16
***Name/Title (President, Mayor, Owner, etc.)*** ***Date***

***Deliver or send via U.S. Postal Service:***
***Bureau of Public Water Supply***
***P.O. Box 1700***
***Jackson, MS 39215***

***May be faxed to:***
***(601)576-7800***

***May be emailed to:***
water.reports@msdh.ms.gov

**CCR Due to MSDH & Customers by July 1, 2016!**

# CITY OF SHELBY 2015 ANNUAL DRINKING WATER QUALITY REPORT

**Is my water safe?**

We are pleased to present this year's Annual Water Quality Report (Consumer Confidence Report) as required by the Safe Drinking Water Act (SDWA). This report is designed to provide details about where your water comes from, what it contains, and how it compares to standards set by regulatory agencies. This report is a snapshot of last year's water quality. We are committed to providing you with information because informed customers are our best allies.

**Do I need to take special precautions?**

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/Centers for Disease Control (CDC) guidelines on appropriate means to lessen the risk of infection by Cryptosporidium and other microbial contaminants are available from the Safe Water Drinking Hotline (800-426-4791).

**Where does my water come from?**

Our water comes from deep wells located in the meriden-upper Wilcox aquifer.

**Source water assessment and its availability**

The wells were ranked lower in terms of susceptibility to contamination.
This report is available for review at our office.

**Why are there contaminants in my drinking water?**

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

water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the Environmental Protection Agency's (EPA) Safe Drinking Water Hotline (800-426-4791). The sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs, and wells. As water travels over the surface of the land or through the ground, it dissolves naturally occurring minerals and, in some cases, radioactive material, and can pick up substances resulting from the presence of animals or from human activity:
microbial contaminants, such as viruses and bacteria, that may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife; inorganic contaminants, such as salts and metals, which can be naturally occurring or result from urban stormwater runoff, industrial, or domestic wastewater discharges, oil and gas production, mining, or farming; pesticides and herbicides, which may come from a variety of sources such as agriculture, urban stormwater runoff, and residential uses; organic Chemical Contaminants, including synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum production, and can also come from gas stations, urban stormwater runoff, and septic systems; and radioactive contaminants, which can be naturally occurring or be the result of oil and gas production and mining activities. In order to ensure that tap water is safe to drink, EPA prescribes regulations that limit the amount of certain contaminants in water provided by public water systems. Food and Drug Administration (FDA) regulations establish limits for contaminants in bottled water which must provide the same protection for public health.

**How can I get involved?**

Please join us for our monthly meeting at 7:00pm on the first Tuesday of each month at the Shelby City Hall.If you have any questions about this report, please contact Moses Riley at 662.347.3064.The Consumer Confidence Report will not be mailed to water customers.The report will be posted at city hall for review.

**Cross Connection Control Survey**

The purpose of this survey is to determine whether a cross-connection may exist at your home or business. A cross connection is an unprotected or improper connection to a public water distribution system that may cause contamination or pollution to enter the system. We are responsible for enforcing cross-connection control regulations and insuring that no contaminants can, under any flow conditions, enter the distribution system. If you have any of the devices listed below please contact us so that we can discuss the issue, and if needed, survey your connection and assist you in isolating it if that is necessary.

- Boiler/ Radiant heater (water heaters not included)
- Underground lawn sprinkler system
- Pool or hot tub (whirlpool tubs not included)

- Additional source(s) of water on the property
- Decorative pond
- Watering trough

**Source Water Protection Tips**

Protection of drinking water is everyone's responsibility. You can help protect your community's drinking water source in several ways:

- Eliminate excess use of lawn and garden fertilizers and pesticides - they contain hazardous chemicals that can reach your drinking water source.
- Pick up after your pets.
- If you have your own septic system, properly maintain your system to reduce leaching to water sources or consider connecting to a public water system.
- Dispose of chemicals properly; take used motor oil to a recycling center.
- Volunteer in your community. Find a watershed or wellhead protection organization in your community and volunteer to help. If there are no active groups, consider starting one. Use EPA's Adopt Your Watershed to locate groups in your community, or visit the Watershed Information Network's How to Start a Watershed Team.
- Organize a storm drain stenciling project with your local government or water supplier. Stencil a message next to the street drain reminding people "Dump No Waste - Drains to River" or "Protect Your Water." Produce and distribute a flyer for households to remind residents that storm drains dump directly into your local water body.

**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. CITY OF SHELBY 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.

**Additional Information for Arsenic**

While your drinking water meets EPA's standard for arsenic, it does contain low levels of arsenic. EPA's standard balances the current understanding of arsenic's possible health effects against the costs of removing arsenic from drinking water. EPA continues to research the health effects of low levels of arsenic which is a mineral known to cause cancer in humans at high concentrations and is linked to other health effects such as skin damage and circulatory problems.

# Water Quality Data Table

In order to ensure that tap water is safe to drink, EPA prescribes regulations which limit the amount of contaminants in water provided by public water systems. The table below lists all of the drinking water contaminants that we detected during the calendar year of this report. Although many more contaminants were tested, only those substances listed below were found in your water. All sources of drinking water contain some naturally occurring contaminants. At low levels, these substances are generally not harmful in our drinking water. Removing all contaminants would be extremely expensive, and in most cases, would not provide increased protection of public health. A few naturally occurring minerals may actually improve the taste of drinking water and have nutritional value at low levels. Unless otherwise noted, the data presented in this table is from testing done in the calendar year of the report. The EPA or the State requires us to monitor for certain contaminants less than once per year because the concentrations of these contaminants do not vary significantly from year to year, or the system is not considered vulnerable to this type of contamination. As such, some of our data, though representative, may be more than one year old. In this table you will find terms and abbreviations that might not be familiar to you. To help you better understand these terms, we have provided the definitions below the table.

| Contaminants | MCLG or MRDLG | MCL, TT, or MRDL | Your Water | Range | | Sample Date | Violation | Typical Source |
|---|---|---|---|---|---|---|---|---|
| | | | | Low | High | | | |
| **Disinfectants & Disinfection By-Products** | | | | | | | | |
| (There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants) | | | | | | | | |
| Chlorine (as Cl2) (ppm) | 4 | 4 | .5 | .01 | .8 | 2015 | No | Water additive used to control microbes |
| Haloacetic Acids (HAA5) (ppb) | NA | 60 | 5 | 5 | 5 | 2015 | No | By-product of drinking water chlorination |
| TTHMs [Total Trihalomethanes] (ppb) | NA | 80 | 15.64 | 15.64 | 15.64 | 2015 | No | By-product of drinking water disinfection |
| **Inorganic Contaminants** | | | | | | | | |
| Antimony (ppb) | 6 | 6 | .0005 | .0005 | .0005 | 2015 | No | Discharge from petroleum refineries; fire retardants; ceramics; electronics; solder; |

| Contaminants | MCLG or MRDLG | MCL, TT, or MRDL | Your Water | Range | | Sample Date | Violation | Typical Source |
|---|---|---|---|---|---|---|---|---|
| | | | | Low | High | | | |
| | | | | | | | | test addition. |
| Arsenic (ppb) | 0 | 10 | .001 | .001 | .001 | 2015 | No | Erosion of natural deposits; Runoff from orchards; Runoff from glass and electronics production wastes |
| Barium (ppm) | 2 | 2 | .0227 | .0227 | .0227 | 2015 | No | Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits |
| Beryllium (ppb) | 4 | 4 | .0005 | .0005 | .0005 | 2015 | No | Discharge from metal refineries and coal-burning factories; Discharge from electrical, aerospace, and defense industries |
| Cadmium (ppb) | 5 | 5 | .0005 | .0005 | .0005 | 2015 | No | Corrosion of galvanized pipes; Erosion of natural deposits; Discharge from metal refineries; runoff from waste batteries and paints |
| Chromium (ppb) | 100 | 100 | .0186 | .0186 | .0186 | 2015 | No | Discharge from steel and pulp mills; Erosion of natural deposits |
| Cyanide (ppb) | 200 | 200 | .015 | .015 | .015 | 2015 | No | Discharge from plastic and fertilizer factories; Discharge from steel/metal factories |
| Fluoride (ppm) | 4 | 4 | .526 | .526 | .526 | 2015 | No | Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from fertilizer and aluminum factories |
| Mercury [Inorganic] (ppb) | 2 | 2 | .0005 | .0005 | .0005 | 2015 | No | Erosion of natural deposits; Discharge from refineries and factories; Runoff from landfills; Runoff from cropland |
| Nitrate [measured as Nitrogen] (ppm) | 10 | 10 | .08 | .08 | .08 | 2015 | No | Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits |
| Nitrite [measured as Nitrogen] (ppm) | 1 | 1 | .02 | .0047 | .0047 | 2015 | No | Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits |
| Selenium (ppb) | 50 | 50 | .0051 | .0051 | .0051 | 2015 | No | Discharge from petroleum and metal refineries; Erosion of natural deposits; Discharge from mines |

| Contaminants | MCLG or MRDLG | MCL, TT, or MRDL | Your Water | Range | | Sample Date | Violation | Typical Source |
|---|---|---|---|---|---|---|---|---|
| | | | | Low | High | | | |
| Thallium (ppb) | .5 | 2 | .0005 | .0005 | .005 | 2015 | No | Discharge from electronics, glass, and Leaching from ore-processing sites; drug factories |
| **Volatile Organic Contaminants** | | | | | | | | |
| 1,1,1-Trichloroethane (ppb) | 200 | 200 | .5 | .5 | .5 | 2011 | No | Discharge from metal degreasing sites and other factories |
| 1,1,2-Trichloroethane (ppb) | 3 | 5 | .5 | .5 | .5 | 2011 | No | Discharge from industrial chemical factories |
| 1,1-Dichloroethylene (ppb) | 7 | 7 | .5 | .5 | .5 | 2011 | No | Discharge from industrial chemical factories |
| 1,2,4-Trichlorobenzene (ppb) | 70 | 70 | .5 | .5 | .5 | 2011 | No | Discharge from textile-finishing factories |
| 1,2-Dichloroethane (ppb) | 0 | 5 | .5 | .5 | .5 | 2012 | No | Discharge from industrial chemical factories |
| 1,2-Dichloropropane (ppb) | 0 | 5 | .5 | .5 | .5 | 2012 | No | Discharge from industrial chemical factories |
| Benzene (ppb) | 0 | 5 | .5 | .5 | .5 | 2011 | No | Discharge from factories; Leaching from gas storage tanks and landfills |
| Carbon Tetrachloride (ppb) | 0 | 5 | .5 | .5 | .5 | 2011 | No | Discharge from chemical plants and other industrial activities |
| Chlorobenzene (monochlorobenzene) (ppb) | 100 | 100 | .5 | .5 | .5 | 2011 | No | Discharge from chemical and agricultural chemical factories |
| Dichloromethane (ppb) | 0 | 5 | .5 | .5 | .5 | 2011 | No | Discharge from pharmaceutical and chemical factories |
| Ethylbenzene (ppb) | 700 | 700 | .5 | .5 | .5 | 2011 | No | Discharge from petroleum refineries |
| Styrene (ppb) | 100 | 100 | .5 | .5 | .5 | 2011 | No | Discharge from rubber and plastic factories; Leaching from landfills |
| Tetrachloroethylene (ppb) | 0 | 5 | .5 | .5 | .5 | 2011 | No | Discharge from factories and dry cleaners |
| Toluene (ppm) | 1 | 1 | .5 | .5 | .5 | 2011 | No | Discharge from petroleum factories |
| Trichloroethylene (ppb) | 0 | 5 | .5 | .5 | .5 | 2011 | No | Discharge from metal degreasing sites and other factories |
| Vinyl Chloride (ppb) | 0 | 2 | .5 | .5 | .5 | 2011 | No | Leaching from PVC piping; Discharge from plastics |

| Contaminants | MCLG or MRDLG | MCL, TT, or MRDL | Your Water | Range | | Sample Date | Violation | Typical Source |
|---|---|---|---|---|---|---|---|---|
| | | | | Low | High | | | factories |
| Xylenes (ppm) | 10 | 10 | .5 | .5 | .5 | 2011 | No | Discharge from petroleum factories; Discharge from chemical factories |
| cis-1,2-Dichloroethylene (ppb) | 70 | 70 | .5 | .5 | .5 | 2011 | No | Discharge from industrial chemical factories |
| o-Dichlorobenzene (ppb) | 600 | 600 | .5 | .5 | .5 | 2011 | No | Discharge from industrial chemical factories |
| p-Dichlorobenzene (ppb) | 75 | 75 | .5 | .5 | .5 | 2011 | No | Discharge from industrial chemical factories |
| trans-1,2-Dichloroethylene (ppb) | 100 | 100 | .5 | .5 | .5 | 2011 | No | Discharge from industrial chemical factories |

| Contaminants | MCLG | AL | Your Water | Sample Date | # Samples Exceeding AL | Exceeds AL | Typical Source |
|---|---|---|---|---|---|---|---|
| **Inorganic Contaminants** | | | | | | | |
| Copper - action level at consumer taps (ppm) | 1.3 | 1.3 | .4 | 2014 | 0 | No | Corrosion of household plumbing systems; Erosion of natural deposits |
| **Inorganic Contaminants** | | | | | | | |
| Lead - action level at consumer taps (ppb) | 0 | 15 | 2 | 2014 | 0 | No | Corrosion of household plumbing systems; Erosion of natural deposits |

| Unit Descriptions | |
|---|---|
| **Term** | **Definition** |
| ppm | ppm: parts per million, or milligrams per liter (mg/L) |
| ppb | ppb: parts per billion, or micrograms per liter (µg/L) |
| NA | NA: not applicable |
| ND | ND: Not detected |
| NR | NR: Monitoring not required, but recommended. |

| Important Drinking Water Definitions | |
|---|---|
| **Term** | **Definition** |
| MCLG | MCLG: Maximum Contaminant Level Goal: 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. |
| MCL | MCL: Maximum Contaminant Level: 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. |
| TT | TT: Treatment Technique: A required process intended to reduce the level of a contaminant in |

| Important Drinking Water Definitions | |
|---|---|
| | drinking water. |
| AL | AL: Action Level: The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow. |
| Variances and Exemptions | Variances and Exemptions: State or EPA permission not to meet an MCL or a treatment technique under certain conditions. |
| MRDLG | MRDLG: Maximum residual disinfection level goal. The level of a drinking water disinfectant below which there is no known or expected risk to health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contaminants. |
| MRDL | MRDL: Maximum residual disinfectant level. The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants. |
| MNR | MNR: Monitored Not Regulated |
| MPL | MPL: State Assigned Maximum Permissible Level |

**For more information please contact:**

Contact Name: MOSES RILEY
Address:
Phone: (662)347-3064

# PROOF OF PUBLICATION

**STATE OF MISSISSIPPI,**
**COUNTY OF BOLIVAR.**

Personally appeared before me, the undersigned authority in and for the County of Bolivar, State of Mississippi, DIANE MAKAMSON, Publisher of THE BOLIVAR COMMERCIAL, daily newspaper and published in the City of Cleveland, in said Country and State who, on oath, deposes and says that The Bolivar Commercial is a newspaper as defined and prescribed in Senate Bill No. 203 enacted at the regular session of the Mississippi Legislature of 1948, amending Section 1958 of the Miss. Code of 1942, and that the publication of which the instrument annexed is a true copy, was published in said paper, to wit:

In Volume 100 No. 64 Dated June 29 20 16
In Volume _____ No. _____ Dated _____ 20 ____
In Volume _____ No. _____ Dated _____ 20 ____
In Volume _____ No. _____ Dated _____ 20 ____
In Volume _____ No. _____ Dated _____ 20 ____
In Volume _____ No. _____ Dated _____ 20 ____

and that said newspaper "has been established for at least twelve months next prior to the first publication" of this notice.

Dianemakamson Publisher

Sworn to and subscribed before me this the 29th day of June, 20 16.

STATE OF MISSISSIPPI NOTARY PUBLIC ID# 102376 CORETTA BELL Commission Expires April 24, 2020 BOLIVAR COUNTY

Coretta Bell
Notary Public

My Commission expires April 24, 2020

Publishers's Fee $ _____.