

MISSISSIPPI STATE DEPARTMENT OF HEALTH  
BUREAU OF PUBLIC WATER SUPPLY  
CCR CERTIFICATION FORM  
CALENDAR YEAR 2012

2013 AUG 14 AM 8:17

Holly Bluff Water Works  
Public Water Supply Name

0820007  
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. Since this is the first year of electronic delivery, we request you mail or fax a hard copy of the CCR and Certification Form 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:    /   /   

- 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: \_\_\_\_\_

Date Published:    /   /   

- CCR was posted in public places. *(Attach list of locations)* Date Posted: 8/12/13

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

→ Post office; Store; CPS office

**CERTIFICATION**

I hereby certify that the 2012 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.

Samuel Swales  
Name/Title (President, Mayor, Owner, etc.)

8-12-13  
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:  
Melanie.Yankowski@msdh.state.ms.us

MS0820007

RECEIVED-WATER SUPPL.

2013 JUL 18 PM 1:29

# HOLLY BLUFF WATERWORKS, INC

## **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 SOURCE IS A WELL ON HIGHWAY 16 WEST AT BAYLAND AND THE OTHER ON HIGHWAY 16 WEST NEAR HOLLYBLUFF, MS. OUR WATER IS DRAWN FROM THE AQUIFER, SPARTA SANDS.

## **Source water assessment and its availability**

WE HAVE A SOURCE WATER ASSESSMENT PLAN AVAILABLE AT OUR OFFICE THAT PROVIDES MORE INFORMATION SUCH AS POTENTIAL SOURCES OF CONTAMINATION. WE ARE AT A LOWER RISK AT THE BAYLAND WELL AND A LOWER RISK AT THE WELL NEAR HOLLYBLUFF.

## **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?**

YOU MAY CONTACT MR. EARL LUCKETT @ 662-907-0650 OR MR. KEITH GOODMAN @ 662-828-3312.

#### **Description of Water Treatment Process**

Your water is treated by disinfection. Disinfection involves the addition of chlorine or other disinfectant to kill dangerous bacteria and microorganisms that may be in the water. Disinfection is considered to be one of the major public health advances of the 20th century.

#### **Water Conservation Tips**

Did you know that the average U.S. household uses approximately 400 gallons of water per day or 100 gallons per person per day? Luckily, there are many low-cost and no-cost ways to conserve water. Small changes can make a big difference – try one today and soon it will become second nature.

- Take short showers - a 5 minute shower uses 4 to 5 gallons of water compared to up to 50 gallons for a bath.
- Shut off water while brushing your teeth, washing your hair and shaving and save up to 500 gallons a month.
- Use a water-efficient showerhead. They're inexpensive, easy to install, and can save you up to 750 gallons a month.
- Run your clothes washer and dishwasher only when they are full. You can save up to 1,000 gallons a month.
- Water plants only when necessary.
- Fix leaky toilets and faucets. Faucet washers are inexpensive and take only a few minutes to replace. To check your toilet for a leak, place a few drops of food coloring in the tank and wait. If it seeps into the toilet bowl without flushing, you have a leak. Fixing it or replacing it with a new, more efficient model can save up to 1,000 gallons a month.
- Adjust sprinklers so only your lawn is watered. Apply water only as fast as the soil can absorb it and during the cooler parts of the day to reduce evaporation.
- Teach your kids about water conservation to ensure a future generation that uses water wisely. Make it a family effort to reduce next month's water bill!
- Visit [www.epa.gov/watersense](http://www.epa.gov/watersense) for more information.

### **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.

### **Other Information**

PLEASE NOTE THAT ALL CONTAMINANTS LISTED EXCEPT CHLORINE, TTHM, AND HAA5'S WERE CAUGHT BY LAKE CITY WATER ASSN. THE OTHERS WERE CAUGHT BY HOLLYBLUFF WATER WORKS.

TO COMPLY WITH THE "REGULATION GOVERNING FLOURIDATION OF COMMUNITY WATER SUPPLIES", LAKE CITY WATER ASSN-WEST IS REQUIRED TO REPORT CERTAIN RESULTS PERTAINING TO FLOURIDATION OF OUR WATER SYSTEM. THE NUMBER OF MONTHS IN THE PREVIOUS CALENDAR YEAR IN WHICH AVERAGE FLOURIDE SAMPLE RESULTS WERE WITHIN THE OPTIMAL RANGE OF 0.7-1.3 PPM WAS 0. THE PERCENTAGE OF FLOURIDE SAMPLES COLLECTED IN THE PREVIOUS CALENDAR YEAR THAT WAS WITHIN THE OPTIMAL RANGE OF 0.7-1.3 PPM WAS 25%.

### **Monitoring and reporting of compliance data violations**

## 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	MCL,	Your	Range		Sample	Violation	Typical Source
	or	TT, or		Low	High			
	MRDLG	MRDL	Water					
<b>Disinfectants &amp; Disinfectant By-Products</b>								
(There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants)								
Chlorine (as Cl <sub>2</sub> ) (ppm)	4	4	1.7	.70	2	2012	No	Water additive used to control microbes
Haloacetic Acids (HAA5) (ppb)	NA	60	45	NA		2012	No	By-product of drinking water chlorination
THMs [Total Trihalomethanes] (ppb)	NA	80	55	NA		2012	No	By-product of drinking water disinfection
<b>Inorganic Contaminants</b>								
Nitrate [measured as Nitrogen] (ppm)	10	10	0.08	NA		2012	No	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits
Nitrite [measured as Nitrogen] (ppm)	1	1	0.02	NA		2012	No	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits
Fluoride (ppm)	4	4	0	0.7	1.3	2012	No	Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from fertilizer and aluminum factories
Barium (ppm)	2	2	0.0043	NA		2010	No	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits
Antimony (ppb)	6	6	0.5	NA		2010	No	Discharge from petroleum refineries; fire retardants; ceramics; electronics; solder; test addition.

Beryllium (ppb)	4	4	0.5	NA		2010	No	Discharge from metal refineries and coal-burning factories; Discharge from electrical, aerospace, and defense industries
Cadmium (ppb)	5	5	5	NA		2010	No	Corrosion of galvanized pipes; Erosion of natural deposits; Discharge from metal refineries; runoff from waste batteries and paints
Cyanide [as Free Cn] (ppb)	200	200	15	NA		2010	No	Discharge from plastic and fertilizer factories; Discharge from steel/metal factories
Mercury [Inorganic] (ppb)	2	2	0.005	NA		2010	No	Erosion of natural deposits; Discharge from refineries and factories; Runoff from landfills; Runoff from cropland
Selenium (ppb)	50	50	0.0025	NA		2010	No	Discharge from petroleum and metal refineries; Erosion of natural deposits; Discharge from mines
Thallium (ppb)	0.5	2	0.0005	NA		2010	No	Discharge from electronics, glass, and Leaching from ore-processing sites; drug factories
<b>Radioactive Contaminants</b>								
Uranium (ug/L)	0	30	0.5	NA		2012	No	Erosion of natural deposits
<b>Volatile Organic Contaminants</b>								
Toluene (ppm)	1	1	0.5	NA		2010	No	Discharge from petroleum factories
Xylenes (ppm)	10	10	0.5	NA		2010	No	Discharge from petroleum factories; Discharge from chemical factories
Benzene (ppb)	0	5	0.5	NA		2010	No	Discharge from factories; Leaching from gas storage tanks and landfills
Carbon Tetrachloride (ppb)	0	5	0.5	NA		2010	No	Discharge from chemical plants and other industrial activities
p-Dichlorobenzene (ppb)	75	75	0.5	NA		2010	No	Discharge from industrial chemical factories
o-Dichlorobenzene (ppb)	600	600	0.5	NA		2010	No	Discharge from industrial chemical factories
1,2-Dichloroethane (ppb)	0	5	0.5	NA		2010	No	Discharge from industrial chemical factories
1,1-Dichloroethylene (ppb)	7	7	0.5	NA		2010	No	Discharge from industrial chemical factories
cis-1,2-Dichloroethylene (ppb)	70	70	0.5	NA		2010	No	Discharge from industrial chemical factories

\*\*\*A MESSAGE FROM MSDH CONCERNING RADIOLOGICAL SAMPLING\*\*\*IN ACCORDANCE WITH THE RADIONUCLIDES RULE, ALL COMMUNITY 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. THIS IS TO NOTIFY YOU THAT AS OF THIS DATE, YOUR WATER SYSTEM HAS NOT COMPLETED THE MONITORING REQUIREMENTS. THE BUREAU OF PUBLIC WATER SUPPLY HAS TAKEN ACTION TO ENSURE THAT YOUR WATER SYSTEM BE RETURNED TO COMPLIANCE BY MARCH 31, 2013. IF YOU HAVE ANY QUESTIONS, PLEASE CALL MELISSA PARKER, DEPUTY DIRECTOR, BUREAU OF PUBLIC WATER, AT 601-576-7518.

OTHER VIOLATIONS OCCURED DURING THE 2012 FOR HOLLYBLUFF WATER WORKS, INC. THE FOLLOWING ARE THE VIOLATIONS THAT OCCURED:

1. TOTAL HALOACETIC ACIDS MCL VIOLATION OCCURED IN THE 1ST AND 2ND QTRS. WHICH MEANS THESE SAMPLES EXCEDED MSHD STANDARDS.
2. 1-1-12 TO 3-31-12 PUBLIC NOTICE VIOLATION
3. 3-26-12 LEAD AND COPPER RULE VIOLATION(FAILURE TO FOLLOW UP)
4. 6-1-12 TO 6-30-12 TOTAL COLIFORM SAMPLE VIOLATION. BAD ROUTINE SAMPLE CAUGHT.
5. 7-3-12 CONSUMER CONFIDENCE VIOATION RULE. FAILURE TO TURN IN CCR REPORT ON TIME.

#### **Special monitoring requirements violations**

NONE REPORTED

#### **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. HOLLY BLUFF WATERWORKS, INC 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>. NONE TO REPORT



trans-1,2-Dichloroethylene (ppb)	100	100	0.5	NA		2010	No	Discharge from industrial chemical factories
Dichloromethane (ppb)	0	5	0.5	NA		2010	No	Discharge from pharmaceutical and chemical factories
1,2-Dichloropropane (ppb)	0	5	0.5	NA		2010	No	Discharge from industrial chemical factories
Ethylbenzene (ppb)	700	700	0.5	NA		2010	No	Discharge from petroleum refineries
Styrene (ppb)	100	100	0.5	NA		2010	No	Discharge from rubber and plastic factories; Leaching from landfills
Tetrachloroethylene (ppb)	0	5	0.5	NA		2010	No	Discharge from factories and dry cleaners
1,2,4-Trichlorobenzene (ppb)	70	70	0.5	NA		2010	No	Discharge from textile-finishing factories
1,1,2-Trichloroethane (ppb)	3	5	0.5	NA		2010	No	Discharge from industrial chemical factories
Trichloroethylene (ppb)	0	5	0.5	NA		2010	No	Discharge from metal degreasing sites and other factories
Vinyl Chloride (ppb)	0	2	0.5	NA		2010	No	Leaching from PVC piping; Discharge from plastics factories
<b>Contaminants</b>	<b>MCLG</b>	<b>AL</b>	<b>Your Water</b>	<b>Sample Date</b>	<b># Samples Exceeding AL</b>	<b>Exceeds AL</b>	<b>Typical Source</b>	
<b>Inorganic Contaminants</b>								
Copper - action level at consumer taps (ppm)	1.3	1.3	0.0834	2012	0	No	Corrosion of household plumbing systems; Erosion of natural deposits	
Lead - action level at consumer taps (ppb)	0	15	1	2012	0	No	Corrosion of household plumbing systems; Erosion of natural deposits	

<b>Unit Descriptions</b>	
<b>Term</b>	<b>Definition</b>
ug/L	ug/L : Number of micrograms of substance in one liter of water
ppm	ppm: parts per million, or milligrams per liter (mg/L)
ppb	ppb: parts per billion, or micrograms per liter (ug/L)
NA	NA: not applicable
ND	ND: Not detected
NR	NR: Monitoring not required, but recommended.

<b>Important Drinking Water Definitions</b>	
<b>Term</b>	<b>Definition</b>

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 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

<u>TT Violation</u>	<u>Explanation</u>	<u>Length</u>	<u>Steps Taken to Correct the Violation</u>	<u>Health Effects Language</u>
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<p>Lead and copper rule violations</p>	<p>THERE WAS NO SERIOUS VIOLATION. THE VIOLATION OCCURED WHEN THERE WAS A FAILURE TO NOT FOLLOWING UP ON A SECOND SET OF SAMPLES.</p>	<p>OCCURED ON 3-26-2012</p>	<p>COMPLETED AS DEMANDED BY THE MISS. STATE DEPT. OF HEALTH.</p>	<p>Infants and children who drink water containing lead in excess of the action level could experience delays in their physical or mental development. Children could show slight deficits in attention span and learning abilities. Adults who drink this water over many years could develop kidney problems or high blood pressure. Copper is an essential nutrient, but some people who drink water containing copper in excess of the action level over a relatively short amount of time could experience gastrointestinal distress. Some people who drink water containing copper in excess of the action level over many years could suffer liver or kidney damage. People with Wilson's Disease should consult their personal</p>
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**For more information please contact:**

Contact Name: KEITH GOODMAN  
 Address:  
 P. O. BOX 104  
 HOLLY BLUFF, MS 39088  
 Phone: 662-571-5150