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

City of Moss Point / Escatawpa Utility District
Public Water Supply Name

0300008

0300002

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 U.S. Postal Service

Date Mailed/Distributed: 6/19/13

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: / /

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

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.

Harold Walton / operator
Name/Title (President, Mayor, Owner, etc.)

6/25/13
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

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Water Quality Report
For
City of Moss Point and Escatawpa
PWS # 300008 and 300002

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 provide 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 to 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?

The City of Moss Point's water source is from wells drawing from the Graham's Ferry and Pascagoula Formation Aquifers.

Source water assessment and its availability

The source water assessment has also been completed for our public water system to determine the overall susceptibility of its drinking water supply to identify potential sources of contamination. The wells for The City of Moss Point have received moderate susceptibility rankings to contamination. A report containing detailed information on how the susceptibility determinations were made has been furnished to our public water system and is available for viewing upon request.

Why are there contaminants in my drinking water?

The City of Moss Point routinely monitors for contaminants in your drinking water according to Federal and State laws. The test results table shows the results of our monitoring for the period of January 1st to December 31st, 2012. In cases where monitoring wasn't required in 2012, the table reflects the most recent results. As water travels over the land or underground, it can pick up substances or contaminants such as microbes, inorganic and organic chemicals, and radioactive substances. All drinking water, including bottled drinking water, may be reasonably expected to contain at least small amounts of some contaminants. It's important to remember that the presence of these contaminants does not necessarily pose a health risk. More information about contaminants and potential health effects can be obtained by calling the EPA's Safe Drinking Water Hotline at 1-800-426-4791

How can I get involved?

If you want to learn more about your water and how the City of Moss Point works to keep your water safe, contact Public Works at (228) 475-1151. We want our valued customers to be informed about their water utility. If you want to learn more, please attend any of our regularly scheduled meetings. They are held on the first and third Tuesday of each month at 6:00 p.m. at City Hall.

Description of Water Treatment Process

Your water is pumped from wells and a pre-treatment chemical is added before the Reverse Osmosis treatment process. The R O units remove dissolved solids and other substances from the water. After the R O units phosphate is added for corrosion control and chlorine is added for disinfection of the water.

In this table you will find many terms and abbreviations you might not be familiar with. To help you understand these terms; we have provided the following definitions:

Running Annual Average (RAA)

Maximum Residual Disinfectant Levels (MRDL) 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.

Non-Detects (ND) - laboratory analysis indicates that substances or contaminants are not present.
Parts per million (ppm) or Milligrams per liter (mg/l) - one part per million corresponds to one minute in two years or a single penny in \$10,000.

Parts per billion (ppb) or Micrograms per liter - one part per billion corresponds to one minute in 2,000 years, or a single penny in \$10,000,000.

Parts per trillion (ppt) or Nanograms per liter (nanograms/l) - one part per trillion corresponds to one minute in 2,000,000 years, or a single penny in \$10,000,000,000.

Parts per quadrillion (ppq) or Picograms per liter (picograms/l) - one part per quadrillion corresponds to one minute in 2,000,000,000 years or one penny in \$10,000,000,000,000.

Picocuries per liter (pCi/L) - Picocuries per liter is a measure of the radioactivity in water.

Millirems per year (mrem/yr) - measure of radiation absorbed by the body.

Action Level - The concentration of a contaminant, which, if exceeded, triggers treatment or other requirements, which a water system must follow:

Treatment Technique (TT) - A treatment technique is a required process intended to reduce the level of a contaminant in drinking water.

Maximum Contaminant Level - The "Maximum Allowed" (MCL) is 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.

Maximum Contaminant Level Goal - The "Goal"(MCLG) is 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.

ESCATAWPA UTILITY DISTRICT

PWS ID# 3000002 Escatawpa		TEST RESULTS						
Contaminant	Violation Y/N	Date Collected	Level Detected	Range of Detects or # of Samples Exceeding MCL/ACL	Unit Measurement	MCLG	MCL	Likely Source of Contamination
Inorganic Contaminants								
Cyanide	N	2012	29		Ppb	2	200	Discharge from steel/metal factories; discharge from plastic and fertilizer factories
Disinfection By-Products								
Chlorine	N	2012	0.40 (RAA)	0.10-1.50	Ppm	4	4	Water Additive used to control microbes.
TTHM	N	2012	2.60		Ppb	0	80	Byproduct of drinking water chlorination
HAA5	N	2012	2.0		Ppb	0	60	Byproduct of drinking water disinfection.
Lead & Copper								
Lead	N	2010	4.0	90th	Ppb	0	AL=15	Corrosion of household plumbing systems; erosion of natural deposits
Copper	N	2010	0.1	90th	Ppb	1.3	AL=1.3	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
Microbiological Contaminants								
Total Coliform	N	2012	0		Positive Samples / Month	0	1	Naturally present in the environment

CITY OF MOSS POINT

PWS ID# 3000008 Moss Point			TEST RESULTS					
Contaminant	Violation Y/N	Date Collected	Level Detected	Range of Detects or # of Samples Exceeding MCL/ACL	Unit Measurement	MCLG	MCL	Likely Source of Contamination
Disinfection By-Products								
Chlorine	N	2012	0.50 (RAA)	0.1-1.50	Mg/l	4	4	Water Additive used to control microbes.
HAAS	N	2012	2.0		ppb	0	60	Byproduct of drinking water disinfection

Lead & Copper

Lead	N	2012	6.0	90th percentile	Ppb	0	AL=15	Corrosion of household plumbing systems, erosion of natural deposits
Microbiological Contaminants								
Total Coliform	Y	2012	1	1	Positive Samples / Month	0	1	Naturally present in the environment

CITY OF MOSS POINT

Violations and Exceedances:

Total Coliform:

Coliforms are bacteria that are naturally present in the environment and used as an indicator that other potentially harmful bacteria may be present. Coliforms were found in more samples allowed and this was warning of potential problems. The violation occurred in April 2012 in The City of Moss Point. It was resolved within one week. For each detect of coliform, additional samples were collected at the sites where total coliform was detected, upstream of each site and downstream of each site. Results showed all samples free of total coliform.

Violations and Exceedances:

Lead and Copper:

The City Of Moss Point occurred a monitoring violation for not completing the sampling for lead and copper for 2012 and a public notice violation under Public Notice Rule.

Additional Information for Lead:

If present, elevated levels of lead can cause serious 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. The City of Moss Point 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 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 of Public Health Laboratory offers lead testing for \$10 per sample. Please contact 601-576-7582 if you wish to have your water tested.

ESCATAWPA UTILITY DISTRICT

*******April 1, 2013A MESSAGE FROM MSDH CONCERNING RADIOLOGICAL SAMPLING*******

In accordance with the Radionuclides Rule, all community public 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 completed the monitoring Requirements and is now in compliance with the Radionuclides Rule. If you have any questions, please Contact Melissa Parker, Deputy Director, Bureau of Public Water Supply, at 601.576.7518.

If you want additional information about your drinking water, you may log on to the Mississippi Department of Health website and obtain specific information about your system and its compliance history at the following address: <http://www.msdh.state.ms.us/msdhsite/index.cfm/11.0.76.html>. From there just follow the "Water Supply" link on the left. Information including current and past boil water notices, compliance and reporting violations, and other information pertaining to your water supply including "Why, When, and How to Boil Your Drinking Water" and "Flooding and Safe Drinking Water" may be obtained.

The City of Moss Point works around the clock to provide top quality water to every tap. We ask that all our customers help us protect our water resources, which are the heart of our community, our way of life, and our children's future.

A copy of this report is located at Moss Point City Hall, Public Works Department, and at the R O Plant on Palmetto Street.

Any questions contact Harold Walton at 228-217-9577