MISSISSIPPI STATE DEPARTMENT OF HEALTH

BUREAU OF PUBLIC WATER SUPPLY

CALENDAR YEAR 2009 CONSUMER CONFIDENCE REPORT CERTIFICATION FORM

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

300008 - 300002
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_____

Date customers were informed: ___/___/___

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

Date Mailed/Distributed: 06/08/10 through 06/30/10 (See attached)

☐ 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: 06/30/10

☐ 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.

Annie R. Liddell
Name/Title (President, Mayor, Owner, etc.)

5-25-10
Date

Mail Completed Form to: Bureau of Public Water Supply/P.O. Box 1700/Jackson, MS 39215
Phone: 601-576-7518

2009 Annual Drinking Water Quality Report
City of Moss Point and Escatawpa Utility District
PWS#: 300008 and 300002
June 2010

We're pleased to present to you this year's Annual Quality Water Report. This report is designed to inform you about the quality water and services we deliver to you everyday. Our constant goal is to provide you with a safe and dependable supply of drinking water. We want you to understand the efforts we make to continually improve the water treatment process and protect our water resources. We are committed to ensuring the quality of your water. Our water source is from wells drawing from the Grants Ferry and Pascagoula Formation Aquifers.

The City of Moss Point and the Escatawpa Utility District routinely monitors for contaminants in your drinking water according to Federal and State laws. This table shows the results of our monitoring for the period of January 1st to December 31st 2009. In cases where monitoring wasn't required in 2009, 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.

The source water assessment has been completed for our public water system to determine the overall susceptibility of its drinking water supply to identified potential sources of contamination. The general susceptibility rankings assigned to each well of this system are provided immediately below. 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. The wells for the city of Moss Point and the Escatawpa Utility District have received moderate susceptibility rankings to contamination.

If you have any questions about this report or concerning your water utility, please 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 the month at 7:00 PM at City Hall.

In this table you will find many terms and abbreviations you might not be familiar with. To help you better understand these terms we've provided the following definitions.
Maximum Residual Disinfectant Level (MRDL)
Running Annual Average (RAA)
Action Level – the concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.
Maximum Contaminant Level (MCL) - 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 (MCLG) - 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.
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 billion corresponds to one minute in 2,000 years, or a single penny in $10,000,000.
Picocuries per liter (pCl/L) - picocuries per liter is a measure of the radioactivity in water.

PWS ID#: 300002 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								
Barium	N	2006	.017	.016-.017	ppm	2	2	Discharge from drilling waste: discharge from metal refineries: erosion of natural deposits
Nitrate (as N)	N	2009	<0.02	No range	ppm	10	10	Runoff from fertilizer use: leaching from septic tanks: sewage: erosion from natural deposits
Nitrite (as N)	N	2009	<0.05	No range	ppm	1	1	Runoff from fertilizer use: leaching from septic tanks: sewage: erosion from natural deposits
Nitrate+Nitrite (as N)	N	2009	<0.25	No range	ppm	10	10	Runoff from fertilizer use: leaching from septic tanks: sewage: erosion from natural deposits
Fluoride	N	2009	.619	.613-..619	ppm	4	4	Erosion of natural deposits: water additive which promotes strong teeth: discharge from fertilizer and aluminum factories

Disinfection By-Products								
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
TTHM	N	2009	0.021 (RAA)		ppb	0	80	By-product of drinking water chlorination
HAA5	N	2009	0.012 (RAA)	.	ppb	0	60	By-product of drinking water disinfection
Chlorine	N	01/09 12/09	.87 (RAA)		ppm	MRDLG =4	MRDL=4	Water additive used to control microbes
Lead & Copper								
Lead	N	2008	.003 (90^{th})	No range	ppm	0	AL=.015	Corrosion of household plumbing systems; Erosion of natural deposits
Copper	N	2008	.2098 (90^{th})	No range	ppm	1.3	AL=1.3	Corrosion of household plumbing systems; Erosion of natural deposits; Leaching from wood preservatives

Microbiological Contaminants								
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
Total Coliform	Y	2008	2	No range	Positive Samples/ Month	0	1	Naturally present in the environment

PWS ID#: 300008 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
Inorganic Contaminants								
Arsenic	N	2009	<0.0005	No range	ppm	0	0.05	Erosion of natural deposits; Runoff from orchards; Runoff from glass and electronics production wastes
Barium	N	2009	0.009847	No range	ppm	2	2	Discharge from drilling waste: discharge from metal refineries: erosion of natural deposits
Chromium	N	2009	0.001134	.009-2.2	ppb	100	100	Discharge from steel and pulp mills: erosion of natural deposits
Fluoride	N	2009	0.82	.611-..828	ppm	4	4	Erosion of natural deposits: water additive which promotes strong teeth: discharge from fertilizer and aluminum factories
Nitrate (as Nitrogen)	N	2009	<0.02	No range	ppm	10	10	Runoff from fertilizer use: leaching from septic tanks: sewage: erosion from natural deposits
Cyanide	N	2006	.71	No range	ppb	200	200	Discharge from steel/metal factories: discharge from plastic and fertilizer factories
Mercury	N	2009	<0.002	No range	ppm	2	.002	Erosion of natural deposits; Discharge from refineries and factories; Runoff from landfills; Runoff from cropland
Nitrite (as Nitrogen	N	2009	<0.05	No Range	ppm	1	1	Runoff from fertilizer use: leaching from septic tanks: sewage: erosion from natural deposits

Nitrate-Nitrite (as Nitrogen	N	2009	<0.25	No range	ppm	10	10	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits
Selenium	N	2009	<0.0025	No range	ppb	50	50	Discharge from petroleum and metal refineries: erosion of natural deposits: discharge from mines

Disinfection By-Products

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
TTHM	N	2009	69.03 0.0 0.0 1.68	No range	ppb	0	80	By-product of drinking water chlorination
HAA5	N	2009	0.0 0.0 0.0 0.0	No range	ppb	0	60	By-product of drinking water disinfection
Chlorine	N	01/09 12/09	0.48 (RAA)		ppm	MRDLG =4	MRDL= 4	Water additive used to control microbes

Lead & Copper

Lead	N	2008	0.007 (90^{th})	No range	ppm	0	AL=015	Corrosion of household plumbing systems, erosion of natural deposits
Copper	N	2008	0.3 (90^{th})	No range	ppm	0	AL=1.3	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives

Microbiological Contaminants

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
Total Coliform	Y	2008	2	No range	Positive Samples/ Month	0	1	Naturally present in the environment

Monitoring and Reporting of Compliance Data Violations:

We are required to monitor your drinking water for specific constituents on monthly basis. Results of regular monitoring are an indication of whether or not our drinking water meets health standards. Beginning January 1, 2004, the Mississippi State Department of Health, (MSDH) required public water systems that use chlorine as a primary disinfectant to monitor/test for chlorine residuals as required by the Stage 1 Disinfection By-Products Rule. The City of Moss Point failed to complete the monitoring requirements in the months June 2004; November of 2005: September 2007: May 2008: The Escatawpa Utility District failed to complete the monitoring requirements in the months January 2004: September 2007: April 2008: May 2008: We did complete the monitoring requirements for bacteriological sampling that showed no coliform present. In an effort to ensure system complete all monitoring requirements; MSDH now notifies systems of any missing samples prior to the end of the compliance period. Some people who use water containing chlorine well in excess of the MRDL could experience irritating effects to their eyes and nose. Some people who drink water containing chlorine well in excess of the MRDL could experience stomach discomfort.

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 a warning of potential problems. The violation occurred in May 2008 in the City of Moss Point and also May of 2008 for the Escatawpa Utility District. It was resolved within one week. For each detect of total 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, however it was noted that the chlorine residual in this area was lower than usual. The amount of chlorine was increased to insure an adequate residual was maintained.

Disinfection By-Products:

TRIHALOMETHANES (TTHMs) HALOACETIC ACIDS (HAA5)

The Escatawpa Utility District exceeded the MCL for TTHMs and HAA5 for the year 2008 and the first quarter of 2009. Some people who drink water containing trihalomethanes in excess of the MCL over many years may experience problems with their liver, kidneys, or central nervous systems, and may have an increased risk of getting cancer. Some people who drink water containing haloacetic acids in excess of the MCL over many years may have an increased risk of getting cancer. The City Of Moss Point new water treatment plant came on line January 20 2009. The residents in Escatawpa get water their water from the new water treatment plant in Moss Point this should reduce the occurrence of disinfection byproducts.

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 Public Health Laboratory offers lead testing for $10 per sample. Please contact 601-576-7582 if you wish to have your water tested.

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 chemicals, and radioactive substances. All 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 the water poses a health risk. More information and potential health effects can be obtained by calling the Environmental Protection Agency Hotline at 800-428-4791.

Some people may be more vulnerable to contaminants in drinking water than the general population. Immune- 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 means to lessen the risk of infection by cryptosporidium and other microbiological contaminants are available from the Safe Drinking Water Hotline (800-426-4791.

The City of Moss Point and the Escatawpa Utility District 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.

CITY OF MOSS POINT

4412 DENNY STREET • MOSS POINT, MISSISSIPPI 39563
OFFICE: 228-475-0300 • FAX: 228-475-6216

July 1, 2010

Bureau of Public Water Supply
P. O. Box 1700
Jackson, MS 39215

Re: Bureau of Public Water Supply Calendar Year 2009 Consumer Confidence Report Certification Form, City of Moss Point / Escatawpa Utility District 300008 – 300002

Dear Sirs:

Attached for your records and information is calendar year 2009 consumer confidence certification for the above referenced reports for the City of Moss Point.

Sincerely,

Dorothy M. DuBose

DOROTHY M. DuBOSE, Administrative Assistant

Attachments

Correspondence Dorothy 2010 – Bureau of Public Water Supply ltr 07012010

The City of Moss Point
4412 Denny Street
Moss Point, MS 39563
228.475.0300

CALENDAR YEAR 2009 CONSUMER CONFIDENCE REPORT CERTIFICATION FORM (continued)

CCR was distributed by mail or other direct delivery. Specify other direct delivery methods:
Date Mailed/Distributed:

June 8, 2010 mailed 256 copies / U. S. Mail.
June 9, 2010 mailed 320 copies / U. S. Mail.
June 14, 2010 mailed 455 copies / U. S. Mail.
June 15, 2010 mailed 449 copies / U. S. Mail.
June 16, 2010 mailed 559 copies / U. S. Mail.
June 17, 2010 mailed 821 copies / U. S. Mail.
June 29, 2010 mailed 1,212 copies / U. S. Mail.
June 30, 2010 mailed 3,128 copies/ U. S. Mail.

CCR was posted in the following public places:
06/30/2010 copies made available for the public at Moss Point City Hall / Utilities Department Customer Service Representatives Counter.
06/30/2010 copies made available at Moss Point Public Works Department.
06/30/2010 copies made available at Moss Point Reverse Osmosis Plant.