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

TUNICA COUNTY UTILITY DISTRICT
Public Water Supply Name

0720024
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: THE TUNICA TIMES

Date Published: MAY / 25 / 2013

☐ 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.

Richard Tyler - Op. Supt.
Name/Title (President, Mayor, Owner, etc.)

JUNE 4, 2013
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.Yanklowski@msdh.state.ms.us

2012
Annual Water Quality Report
Tunica County Utility District
PWS ID # 720024

We're pleased to present to you this year's Annual Water Quality Report (Consumer Confidence Report) as required by the Safe Drinking Water Act (SDWA). This report is designed to inform you about the quality water and services we deliver to you every day, what it contains, and how it compares to standards set by regulatory agencies. Last year, as in years past, your tap water met all U.S. Environmental Protection Agency (EPA) and state drinking water health standards. TCUD vigilantly safeguards its water supplies and once again we are proud to report that our system has not violated a maximum containment level or any other water quality standard.

Your water is pumped from several wells drawing from the Lower Wilcox Aquifer at the 1,800 foot depth level. Our source water assessments are available for review by request.

The U.S. Environmental Protection Agency wants you to know:

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 be calling the EPA's 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 byproducts of industrial processes and petroleum production, and can also come from gas stations, urban stormwater runoff, and septic systems
- Radioactive Contaminants, which can be naturally occurring or be the result of oil and gas production and mining activities.

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. TCUD 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 www.epa.gov/safewater/lead.

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 means to lessen the risk of infection by Cryptosporidium and other microbial contaminants are available from the Safe Drinking Water Hotline (800-426-4791).

During a sanitary survey on 8 June 2010, the Mississippi State Department of Health cited the following significant deficiencies:

- •Inadequate security measures
  - •Corrective actions: The system is currently under a bilateral Compliance Agreement to have fences installed around the tanks and wells. All deficiencies are scheduled to be completed by 9/1/2013

- •Inadequate internal cleaning maintenance of storage tanks
  - •Corrective actions: The system is currently under a Bilateral Compliance Agreement to repair, clean, and paint the storage tanks and to schedule the painting of the remaining tanks. All deficiencies are to be completed by 9/1/2013

*****April 1, 2013 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 eater 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 Karen Walters, Director of Compliance & Enforcement, Bureau of Public Water Supply, at (601) 576-7518.

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. 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 on 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	Violation Yes / No	Date Collected	Level Detected	Range of Detects Low / High	Unit Measurement	MCLG	MCL	Typical Source
Undetected Contaminants								
Radium (combined 226/228)	No		ND		pCi/L	0	5	Erosion of natural deposits
Xylenes	No		ND		ppm	10	10	Discharge from petroleum factories; Discharge from chemical factories
Uranium	No		ND		ug/L	0	30	Erosion of natural deposits
Ethylbenzene	No		ND		ppb	700	700	Discharge from petroleum factories
Nitrate [measured as Nitrogen]	No		ND		ppm	10	10	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits
Nitrite [measured as Nitrogen]	No		ND		ppm	1	1	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits
Arsenic	No		ND		ppb	0	10	Erosion of natural deposits; Runoff from orchards; Runoff from glass and electronics production wastes
Disinfectants & Disinfection Byproducts								
TTHMs (Total Trihalomethanes)	No	2011	10	ND/10	ppb	N/A	80	Byproduct of drinking water chlorination
HAA5 (Haloacetic Acids)	No	2011	9.4	ND/9.4	ppb	N/A	60	Byproduct of drinking water chlorination
Chlorine (as Cl2)	No	2012	1.5	0.52/2.2	ppm	4	4	Water additive used to control microbes
Inorganic Contaminants								
Barium	No	2010	0.0079	0.001786/0.0079	Ppm	2	2	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits
Chromium	No	2012	0.0027	0.0005/0.0027	ppb	100	100	Discharge from steel and pulp mills; Erosion of natural deposits
Fluoride	No	2010	0.183	0.1/0.183	ppm	4	4	Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from fertilizer and aluminum factories
Selenium	No	2010	1.07	0.6/1.7	ppb	50	50	Discharge from petroleum and metal refineries; Erosion of natural deposits; Discharge from mines

Contaminants	MCLG	AL	Your Water	Sample Date	# Samples Exceeding AL	Exceeds AL		Typical Source
Lead – action level at consumer taps (ppb)	0	15	1	2010	0	No		Corrosion of household plumbing systems; Erosion of natural deposits
Copper – action level at consumer taps (ppm)	1.3	1.3	0.2	2010	0	No		Corrosion of household plumbing systems; Erosion of natural deposits
Total Coliform (positive samples/month)	No	2012	0	NA	Positive samples/month	0	1	Naturally present in the environment

- Parts per million (ppm) or milligrams per liter (mg/L) – one part per million
- Parts per billion (ppb) or micrograms per liter (µg/L) – on part per billion
- ug/L – number of micrograms of substance in one liter of water
- pCi/L – picocuries per liter (a measure of radioactivity)
- Positive Samples per Month – Number of samples taken monthly that were found to be positive
- NA – Not Applicable
- ND – Not Detected
- NR – Monitoring not required, but recommended
- Action Level (AL) – 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 (MCL) – The highest level of a contaminant that is allowed in drinking water. MCL's are set as close to the MCGL's as feasible using the best available treatment technology
- Maximum Contaminant Level Goal (MCLG) – is the level of a contaminant in drinking water below which there is no known or expected risk to health. MCLG's allow for a margin of safety.
- Variances and Exemptions – State or EPA permission not to meet an MCL or a treatment technique under certain conditions.
- Maximum Residual Disinfection Level Goal (MRDLG) – The level of a drinking water disinfectant below which there is no known or expected risk to health. MRDLG's do not reflect the benefits of the use of disinfectants to control microbial contaminants.
- Maximum Residual Disinfectant Level (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.
- Monitored Not Regulated (MNR)
- MPL – State assigned Maximum Permissible Level

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We want our valued customers to be informed about their water utility. If you want to learn more, please attend any of our scheduled meetings. They are held on the first Tuesday of each month at 4:00 PM in the board room of the Tunica County Courthouse.

If you have any questions about this report or concerning your water utility please contact:
Richard Lyles
P.O. Box 68
Robinsonville, MS 38664
662-363-1163 (Office)
662-363-1476 (Fax)
E-mail: richard@rbend.com

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PWS ID # 720024

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If you have any questions about this report or concerning your water utility please contact:
Richard Lyles
P.O. Box 68
Robinsonville, MS 38664
662-363-2163 (Office)

RiverBend of MS, Inc.
2280 Fitzgeralds Blvd., P.O. Box 68
Robinsonville, MS 38664
Tel. 662-363-1163 / Fax 662-363-1476

June 25, 2013

Ms. Joan Cockrell
Bureau of Water Supply
P.O. Box 1700
Jackson, MS 39215-1700

RE: Corrected CCR – 2012 Tunica County Utility District – 0720024

Dear Ms. Cockrell,

Enclosed are the following items:

- A legible copy of our corrected CCR for 2012
- A sample billing card with the statement: "A corrected copy of the Consumer Confidence Report is available upon request."

During our research, we found that some 2010 results had been rejected by the lab. It appears that those results were mistakenly included in our original CCR.

Specifically:

1. Arsenic shows results of <0.0025, which are not correct. The corrected CCR takes this into account.
2. Selenium shows a similar error with the MDL. The corrected CCR takes this into account.

We appreciate your time and patience to bring these deficiencies to our attention and will use this experience to properly prepare future CCRs.

Sincerely,

RiverBend of MS, Inc.
for Tunica County Utility District

Richard Lyles
Operations Superintendent

ACCOUNT NUMBER	SERVICE I.D.
4900	1036000

SERVICE	PRESENT READING	CONSUMPTION	AMOUNT
WR1	2292480	10480	20.96

3285 PRICHARD RD

PREV. READ DATE	CUR. READ DATE	PAST DUE AMOUNT
05/14/2013	06/12/2013	14.74
DUE DATE	**GROSS AMOUNT**	**NET AMOUNT**
07/15/2013	39.70	35.70

PAY GROSS AMOUNT AFTER THE 15TH

Tunica County Utility District
P.O. Box 2503 • Tunica, MS 38676-2503 • (662) 3632358

A corrected copy of the Consumer Confidence Report is available upon request

RETURN THIS STUB WITH PAYMENT

GROSS AMOUNT	NET AMOUNT
39.70	35.70
ACCOUNT NUMBER	**SERVICE I.D.**
4900	1036000

3285 PRICHARD RD

ALICE GAYDEN
P.O. BOX 1802
TUNICA, MS 38676-1802