

2018 Annual Drinking Water Quality Report
Town of Richton
PWS#: 0560004
May 2019

We're pleased to present to you this year's Annual Quality Drinking Water Report. This report is designed to inform you about the quality water and service we deliver to you every day. 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 is from wells drawing from the Miocene Series Aquifer and the Catahoula Formation Aquifer.

The source water assessment has been completed for our public water system to determine the overall susceptibility of its drinking water to identified potential source of contamination. The general susceptibility ranking assigned to each well of this system is 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. Wells #2 and #4 for the Town of Richton has a higher susceptibility of contamination ranking while Well #3 received a moderate susceptibility of contamination ranking.

We're pleased to report that our drinking water meets all federal and state requirements.

If you have any questions about this report or concerning your water utility, please contact James H. Pitts at 601-788-6015. If you want to learn more, please attend any of our regularly scheduled meetings. They are held on the first Tuesday of each month, 6:30 PM, 206 Dogwood Avenue East (Richton Municipal Complex).

The Town of Richton routinely monitors your drinking water according to Federal and State laws. The table below lists contaminants that were detected during the period of January 1st to December 31st, 2018. In cases monitoring wasn't required in 2018, the table reflects the most recent results. As water travels over the surface of land or underground it can pick up substances or contaminants such as microbes, organic or inorganic chemicals and radioactive substances. 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 system. All drinking water, including bottled water may be reasonably expected to contain at least small amounts of some constituents. It's important to remember that the presence of these constituents does not necessarily indicate that the water poses a health risk.

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.

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

(MCL) Maximum Contaminant Level - The Maximum Allowed is the highest contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible using the best available treatment technology.

(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.

(MRDLG) Maximum residual disinfectant 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) 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.

(PPM) Parts Per Million - or (MG/L) Milligrams Per Liter - one part per millions corresponds to one minute in two years or a penny in ten thousand dollars.

(PPB) Parts Per Billion - or (PG/L) Micrograms Per Liter - one part per billions corresponds to one minute in two thousand years or a single penny in ten million dollars.

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

A Level 1 Assessment (LV1A) is a study of the water system to identify potential problems and determine (if possible) why total coliform bacteria have been found in our water.

Health Effects Language for Total Coliforms

"Coliforms are bacteria that are naturally present in the environment and are used as an indicator that other, potentially harmful, waterborne pathogens may be present or that a potential pathway exists through which contamination may enter drinking water distribution system. We found coliform indicating the need to look for potential problems in water treatment of distribution. When this occurs, we are required to conduct assessment(s) to identify problems and to correct any problems that were found during these assessments".

"During the past year we were required to conduct 1 Level 1 Assessment(s) (LV1A). 1 Level 1 Assessment(s) were completed. In addition, were required to take 1 corrective action and we completed 1 of these action(s)

TEST RESULTS

Contaminant	Violation Y/N	Date Collected	Level Detected	Range of Detects or # of Samples Exceeding MCL	Unit Measurement	MCLG	MCL	Likely Source of Contamination
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Inorganic Contaminants

Barium	No	2016*	0.0673	0	ppm	2	2	Discharge of drilling waste; Discharge from metal refineries; Erosion of natural deposits
Nitrate (As N)	No	2018	0.21	0	ppm	10	10	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits
Nitrate-Nitrite (As N)	No	2018	0.21	0	ppm	10	10	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits

Disinfection By-Products

Chlorine	No	2018	1.40	.35 - 2.60	ppm	0	MRDL=4	Water additive used to control microbes
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Radioactive Contaminants

Combined Uranium	No	2018	1.1	0	ppb	0	30	Erosion of natural deposits
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Microbiological Contaminants

Total Coliform Bacteria	Yes	2018	Positive	1	ppm	0	Presence of coliform bacteria in 5% of monthly samples	Naturally present in the environment
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Inorganic Contaminants (Lead and Copper)

Contaminants	MCLG	AL	# of Samples > AL	Sample Date	Violations	Typical Source
Copper	0.1	1.3	10	2015-2017*	No	Erosion of natural deposits; Leaching; Corrosion of household plumbing; from wood preservatives
Lead	0.005	.015	10	2015-2017*	No	Corrosion of household plumbing systems; Erosion of natural deposit

*Most Recent Sample. No samples required for 2018.

As you can see by the table our system had no contaminant violation. We're proud that your drinking water meets or exceeds all Federal and State requirements. We have learned through our monitoring and testing that some constituents have been detected however the EPA has determined that your water is safe at these levels.

We are required to monitor your drinking water for specific constituents on a monthly basis. Results of regular monitoring are an indicator of whether or not our drinking water meets health standards. We did complete the monitoring requirements for bacteriological sampling that showed no coliform present. In an effort to ensure systems complete all monitoring requirements, MSDH now notifies systems of any missing samples prior to the end of the compliance period.

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. The Town of Richton 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 at <http://www.epa.gov/safewater/lead>. The Mississippi State Department of Health Public Health Laboratory offers 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 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 water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the Environmental Protection Agency's Safe Drinking Water Hotline 800-426-4791.

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.

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

Copies are available upon request at Richton Library and Richton City Hall.

ACCOUNT NO.	SERVICE FROM	SERVICE TO
01-0071000	04/28	05/28

SERVICE ADDRESS
404 HOLLY ST. NORTH

CURRENT	METER READINGS		USED
	PREVIOUS		
132	128		4

CHARGE FOR SERVICES

RETURN THIS STUB WITH PAYMENT TO:
TOWN OF RICHTON
P.O. BOX 493 · RICHTON, MS 39476
(PHONE) 788-6015

PRESORTED
FIRST-CLASS MAIL
U.S. POSTAGE
PAID
PERMIT NO. 12
RICHTON, MS

PAY NET AMOUNT ON OR BEFORE DUE DATE	DUE DATE	PAY GROSS AMOUNT AFTER DUE DATE
	06/15/2019	
NET AMOUNT	SAVE THIS	GROSS AMOUNT
33.00	10.00	43.00

CCR'S AVAILABLE AT CITY HALL

WTR 22.00
SWR 11.00
NET DUE >>> 33.00
SAVE THIS >> 10.00
GROSS DUE >> 43.00

RETURN SERVICE REQUESTED

01-0071000
BILLY BROOME

P O BOX 252
RICHTON, MS 39476