MSDH-WATER SUPPLY

2021 CERTIFICATION

Consumer Confidence Report (CCR)

2022 JUN - 1 PM 1: 13

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Jackson, MS 39215

PRINT Public Water System Name

0580003

List PWS ID #s for all Community Water Systems included in this CCR

CCR DISTRIBUTION (Check all boxes that apply)
INDIRECT DELIVERY METHODS (Attach copy of publicati	on, water bill or other) DATE ISSUED
Advertisement in local paper (Attach copy of advertisement)	6-1-2022
□ On water bill (Attach copy of bill)	W 1 210112
□ Email message (Email the message to the address below)	
□ Other (Describe:	
100 100 100 100 100 100 100 100 100 100)
DIRECT DELIVERY METHOD (Attach copy of publication,	vater bill or other) DATE ISSUED
☐ Distributed via U.S. Postal Service	
□ Distributed via E-mail as a URL (Provide direct URL):	
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□ Distributed via Email as text within the body of email mess	age
□ Published in local newspaper (attach copy of published CCR or	proof of publication)
□ Posted in public places (attach list of locations or list here)	
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CERTIFIC Thereby certify that the Consumer Confidence Report (CCR) has be	ATION
hereby certify that the Consumer Confidence Report (CCR) has be the appropriate distribution method(s) based on population served.	Fulfibermore. I certify that the information contained in the cannot !
s correct and consistent with the water quality monitoring data for s	ampling performed and fulfills all CCR requirements of the Code
of Federal Regulations (CFR) Title 40, Part 141.151 – 155.	2 111
Name	Title Date
SUBMISSION OPTIONS	Select one method ONLY)
You must email or mail a copy of the CCR, Certificat	on, and associated proof of delivery method(s) to
the MSDH, Bureau of P	ublic Water Supply.
	Email: water.reports@msdh.ms.gov

2021 Annual Drinking Water Quality Report Town of Ecru Water & Sewer Department PWS#: 0580003 May 2022

MSDH-WATER SUPPLY

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 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 source is from wells drawing from the Eutaw Formation Aquifer.

The source water assessment has been completed for our public water system to determine the overall susceptibility of its drinking water supply to identify potential sources of 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. The wells for the Town of Ecru have received a moderate susceptibility ranking to contamination.

If you have any questions about this report or concerning your water utility, please contact Shane Dunaway at 662.296.0711. 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 Tuesday of each month at 6:00 PM at the Ecru Town Hall.

We routinely monitor for contaminants in your drinking water according to Federal and State laws. This table below lists all of the drinking water contaminants that we detected during the period of January 1st to December 31st, 2021. In cases where monitoring wasn't required in 2021, the table reflects the most recent results. As water travels over the surface of land or underground, it dissolves naturally occurring minerals and, in some cases, radioactive materials and can pick up substances or contaminants 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 storm-water 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 storm-water 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 and septic systems; 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. 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 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:

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.

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 to control microbial contaminants.

Maximum Residual Disinfectant Level Goal (MRDLG) – The level of a drinking water disinfectant below which there is no known or expected risk of health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contaminants.

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.

Picocuries per liter (pCi/L) - picocuries per liter is a measure of the radioactivity in water. TEST RESULTS Range of Detects Unit **MCLG** MCL Likely Source of Contamination Contaminant Violation Date Level Collected Detected or # of Samples Measure Y/N Exceeding -ment MCL/ACL **Radioactive Contaminants**

5. Gross Alpha	N	2020*	1.8	1.8 No Range		Range	pCi/L		0		15 E		Erosion of natural deposits	
6. Radium 226	N	2020*	.37		No Range		pCi/L		0	5		Erosi	on of natural deposits	
Inorganic	Cont	aminant	ts											
8. Arsenic	N	2019*	1.4		.7 – 1.4		ppb		n/a	10		orcha	ion of natural deposits; runoff from ards; runoff from glass and ronics production wastes	
10. Barium	N	2019*	.2523		₄ 15282523		ppm		2	f			narge of drilling wastes; discharge metal refineries; erosion of natural sits	
14. Copper	N	2017/19*	.5		0		ppm		1.3	s		syste	osion of household plumbing ems; erosion of natural deposits; ning from wood preservatives	
16. Fluoride	N	2019*	.12	26	₌ 117126		ppm		4		a d		Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories	
17. Lead	N	2017/19	1		0		ppb		0				osion of household plumbing ems, erosion of natural deposits	
Sodium	m N 2019*		95000		66	66000 - 95000			0		0	Road Salt, Water Treatment Chemicals, Water Softeners and Sewage Effluents.		
Volatile O	rgani	c Contai	mi	nants	S									
66. Ethylbenzene N		2021	.814		No Range		ppb			700		700	Discharge from petroleum refineries	
76. Xylenes	N	2021	2021			No Range		ppn	1	10		10	Discharge from petroleum factories; discharge from chemical factories	
71. 1,1,2 □Trichloroethane	N	2021		.661		No Range		ppb	·		5 5		Discharge from industrial chemical factories	
74. Toluene	N	2021		.00682		No Range		ppm		1		1	Discharge from petroleum factories	
Disinfecti	on By	-Produc	cts											
82. TTHM [Total trihalomethanes]	N					o Range ppb			0		80		r-product of drinking water lorination.	
Chlorine	N	2021	2021 1.4		.37 – 2.2		mg/l		0	MDRL = 4			ater additive used to control crobes	

^{*} Most recent sample. No sample required for 2021.

We are required to monitor your drinking water for specific contaminants on a monthly basis. Results of regular monitoring are an indicator of whether or not our drinking water meets health standards. Our system received a major monitoring violation for on failing to collect samples for Lead and Copper for the period of December 2017 – December 2020. The samples have since been taken and show that we are meeting drinking water standards.

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. Our water system 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. The Mississippi State Department of Health Public Health Laboratory offers lead testing. 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 about contaminants and potential health effects can be obtained by calling the Environmental Protection Agency's Safe Drinking Water Hotline at 1.800.426.4791.

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/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 1.800.426.4791.

The Town of Ecru Water & Sewer Department 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.

2021 Annual Drinking Water Quality Report Town of Ecru Water & Sever Department PWS#, 0580003 May 2022

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Procuries per Har (pCHL) - procuries per liter is a measure of the reprocurity in wells.

				TEST R	IDSU	TS						
Contaminant	Violation Y/N	Data Collected	Level Detected	Plange of Detects or 8 of Semples Exceeding MCL/ACL	Unit Medias -ment		•	MCL		Likely Source of Conterrination		
Radioacti	ve Cor	tamina	ints									
E. Dross Alons	N		10	No Flange	DC14		0		Simples of reasons deposits			
6. Pactum 220	N	3000	.37	Ma Ranga	pC14.		01	5 [Eroe	on of natural deposits		
Inorganic	Conta	minant	S									
8. Araenic	N	2019*	1.4	.7-1.6	pipite	~			croh	ion of matural deposits; rutyoff from acts; runoff from glaus and romes production wastes		
10. Barken	N	2019	.2523	.16282523	ppm			2	Decrarge of citting reader; clicing trons metal retineries; erosion of n			
14. Copper	N	2017/19*	3	0	tatau	1.2	3 A		Dorrosion of household planting equipme, erosion of natural deposi- terative from sould preserve the			
16. Fluoride	N	2019"	126	.117128	рри							
17. Land	N	2017/19	1	0	ppb		3 A	L=15	Corresion of household plumbing systems, studios of helium deposits			
Sodium.	N	2019"	89000	68000 - B6000	Diap	1 '				Belt, Winer Treasvert Chemicals Setteners and Benego Efficients		
Volatile O	ryanic	Contar	ninant							39-32 37-1-13		
86. Etrytherstene		2021	.014				700		700	Discharge from petroloum refinaries		
76. Xylenes	N	2021	.00966	No Range	P	an	10		10	Discharge from petrolsom famouse: discharge from chamical listories		
71. 1,1,2 Trichlordafhuna	N	9021	.861	No Reage	PI	ъ	, a		5	Oncharge from Industrial previous factories		
74, Tolume	N	2021	.00882	Nó Flange	DE	बर्ग 💮	1		Discharge from petroleum Isidortes			
Disinfection	on By-	Produc	ts	No.			75	1				
TOTAL	H	2019*	2.1	No Range	ppb	0		80	By-	product of drinking water orderison.		
Chiarian	N	2021 -	14	37-22	mo/l	1 0	0 MORLs		4 Water additive used to correct			

^{*} Mont recent sample. No sample required for 2021.

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All sources of drinking water are subject to potential contamination by substances that are naturally occurring or man made. These substances can be microbas, inorganic or organic chemicals and radioentive substances. All drinking water, including bottled water, may rescondity be expected to contain at least eithal amounts of some contaminants. This presume of contaminants alose not received in indicate that the water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the Environmental Protection Agency's Selfs Dirithing Water Hotiline at 1,800.428.4781.

Some people may be more valuenable to contaminents in drinking water than the gorseral population, immuno-compromised parsons such as pursons with cancer undergoing chemotherapy; pursons with have undergone organ transplants, people with HMVAIDS or other immune system disorders, some elderly, and infants one to periodeling at fels from knockons. These people should seek advice about dysfelding water from their feeth or expressions. PEA/CDC guideline on appropriate impairs to lessen the risk of unfection by cryptosporticitum and other microbiological contaminents are evallable from the Sete Dithidrig Water Hottine 1.800.426.4791.

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