Certification

RECEIVED
MSDH-WATER SUPPLY
2023 JUN 22 AM IO: 51

Water systems serving 10:000 or more must use: Distribution Method I: Water systems serving 500 - 9:999 must use: Distribution Method I OR Distribution Method II. III. and IV Water system serving less than 500 people must use: Distribution Method I OR Distribution Method III, IIII, and IV OR Distribution Method III and IV Public Water Supply name(s):	OFFICE USE ONLY 7-digit Public Water Supply ID #(s):
MAGNOLIA RURAL WATER ASSOCIATION INC.	
Distribution (Methods used to distribute CCR to or I. CCR directly delivered using one or more method by	reustomers).
□ *Provided direct Web address to customer □ Hand delivered	*Add direct Web address (URL) here:
☐ Mail paper copy ☐ Email	Example: "The current CCR is available at www.waterworld.org/ccrMay2023/0830001.pdf. call (000) 000-0000 for paper copy".
Published the complete CCR in the local newspaper.	Date(s) published: JUNE 9, 2023
but is available upon request. List method(s) used (examples – newspaper, water	Date(s) notified:
bills, newsletter, etc.).	Location distributed:
N. Post the complete CCR continuously at the local water office.	Date:
"Good Faith Effort" in other public buildings with the water system service area (i.e. City Hall, Public Library, etc.)	Locations posted:
Certification	
This Community public water system confirms it has distributed if and the appropriate notices of availability have been given and the consistent with the compliance monitoring data previously submit Public Water Supply and the requirements of the CCR rule.	nat the information contained in its CCR is correct and
Name: ALVIN CULLOM JR	Title: Date: JUNE 22, 2023
Submittal	
Email the following required items to <u>water reports@msdh.ms.gov</u> 1. CCR (Water Quality Report) 2. Certificati	regardless of distribution methods used. on 3. Proof of delivery method(s)



Annual Drinking Water Quality Report

Magnolia Rural Water Association Inc PWS# MS0570015 2022 CCR Report

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 providing you with information because informed customers are our best allies. Last year, we conducted tests for over 80 contaminants. We only detected 6 of those contaminants were found only 1 at a level higher than the EPA allows. As we informed you at the time, our water temporarily exceeded drinking water standards. (For more information see the section labeled Violations at the end of the report.)

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 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).

Where does my water come from?

Our water source is from 2 wells using water from the Miocene Aquifer.

Source water assessment and its availability

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 ranking 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 Magnolia Rural Water Association have received a moderate susceptibility ranking to contamination.

Why are there contaminants in my drinking water?

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 (EPA) 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 by-products of industrial processes and petroleum production, and can also come from gas stations, urban stormwater runoff, and septic systems; and 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. Food and Drug Administration (FDA) regulations establish limits for contaminants in bottled water which must provide the same protection for public health.

How can I get involved?

If you have questions about this report or concerning your water utility, please contact, Michael Lewis Certified Water Operator, at 601-783-2008. We want our valued customers to be informed about their water utility. If you want to learn more, please attend our monthly board meeting, which is held 6:30 PM on the second Tuesday of each month at the water office at 256 East Bay Street, Magnolia, MS.

Description of Water Treatment Process

Your water is treated by disinfection. Disinfection involves the addition of chlorine or other disinfectant to kill dangerous bacteria and microorganisms that may be in the water. Disinfection is considered to be one of the major public health advances of the 20th century.

Required Fluoridation Information

To comply with the "Regulation Governing Fluoridation of Community Water Supplies", Magnolia Rural Water Association is required to report certain results pertaining to fluoridation of our water system. The number of months in the previous calendar year in which average fluoride sample results were within the optimal range of .06 - 1.2 parts per million (ppm) was 0. The percentage of fluoride samples collected in the previous calendar year that was within the optimal range of 0.6 - 1.2 ppm was 0%. The number of months samples were collected and analyzed in the previous calendar year was 6.

Monitoring and reporting of compliance data violations

Violation 03 - Monitoring, Routine Major, Facility TF082, 07/01/2022 - 9/30/2022, Cyanide-S. Although we did not meet our deadline, we are now in consultation with the state to develop a corrective action plan.

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Significant Deficiencies

Enforcement Action

Magnolia Rural Water was required by the MSDH, Bureau of Public Water Supply to participate in a compliance meeting or administrative hearing. The meeting occurred and Magrural Water signed a Consent Agreement with the MSDH.

Additional Information for Lead

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. Magnolia Rural Water Association, Inc. 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.

Water Quality Data Table

In order to ensure that tap water is safe to drink, EPA prescribes regulations which limit the amount of contaminants in water provided by public water systems. 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 one 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.

	MCL or	ПТ	, or	Detect In Your		nge	Sample			
@Contaminants@	CHOCKINES.	Development of the state of	and other speed	A SE PERSONAL PROPERTY AND	Low	High	Date	Violation	Typical Source	
Disinfectants & Disinfection By-Products										
(There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants).										
Chlorine (as Cl2) (ppm)	4	4	1	1.7	1.2	2	2022	No	Water additive used to control microbes	
Inorganic Contam	inants									
Barium (ppm)	2	2	2	.0311	NA	NA	2022	No	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits	
Nitrate [measured as Nitrogen] (ppm)	10	1	0	.146	NA	.103	2022	No	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits	
Sodium (optional) (ppm)	NA			6.44	6.42	6.44	2022	No	Sodium is derived from the natural erosion, soft deposits and infiltration of surface waters or storm water contaminated by road salt.	
Contaminant Inorganic Contam	CHARLE HOLD	MCLG	AL	Your Water		ole E	Samples xceeding AL	Exceeds AL	Typical Source	
Copper - action level at consumer taps (ppm)		1.3	1.3	1.8	202	2	20	Yes	Corrosion of household plumbing systems; Erosion of natural deposits	
Lead - action level a consumer taps (ppb)		0	15	4	202:	2	0	No	Corrosion of household plumbing systems; Erosion of natural deposits	

Violations and Exceedances

Copper - action level at consumer taps

Copper is an essential nutrient, but some people who drink water containing copper in excess of the action level over a relatively short amount of time could experience gastrointestinal distress. Some people who drink water containing copper in excess of the action level over many years could suffer liver or kidney damage. People with Wilson's Disease should consult their personal doctor.

Term	Definition
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ND	ND; Not detected

Unit Descripti	ons.
NR	NR: Monitoring not required, but recommended.

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MNR	MNR: Monitored Not Regulated
MPL	MPL: State Assigned Maximum Permissible Level

TT Violation	Explanation	Length	Health Effects Language	Explanation and Comment
	Failure to Address Deficiency	12/2018	can cause symptoms such as pauses, cromps	The system has completed corrective actions and is no longer in violation of this rule.

For more information please contact:

Contact Name: Alvin Cullom, Jr

Address: 265 E. Bay St Magnolia, MS 39652 Phone: 601 783-2008

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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 by-products of industrial processes and petroleum production, and can also come from gas stations, urban stormwater runoff, and septic systems; and 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. Food and Drug Administration (FDA) regulations establish limits for contaminants in bottled water which must provide the same protection for public health.

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			Dete	et Ra	nge			
Contaminants	MCLG or MRDLG	MCL TT, o MRD	r You		High	Sample Date	Violation	Typical Source
Disinfectants & Disi	nfection By	-Proc	lucts					
(There is convincing	evidence th	at add	ition of a	disinfect	ant is	necessar	y for contro	ol of microbial contaminants)
Chlorine (as Cl2) (ppm)	4	4	1.7	1.2	2	2022	No	Water additive used to control microbes
Inorganic Contamin	ants							
Nitrate [measured as Nitrogen] (ppm)	10	10	.146	NA	.103	2022	No	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits
Contaminants	MCL	G AL	Your Water	Sample Date	Exce	mples eeding AL	Exceeds AL	Typical Source
Inorganic Contamin	ants				,			
Copper - action level consumer taps (ppm)	at 1.3	1.3	1:8	2022		20	Yes	Corrosion of household plumbing systems; Erosion of natural deposits
Lead - action level at consumer taps (ppb)	0	15	4	2022		0	No	Corrosion of household plumbing systems; Erosion of natural deposits

Violations and Exceedances

Copper - action level at consumer taps

Copper is an essential nutrient, but some people who drink water containing copper more than the action level over a relatively short amount of time could experience gastrointestinal distress. Some people who drink water containing copper more than the action level over many years could suffer liver or kidney damage. People with Wilson's Disease should consult their personal doctor.

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Term	Definition
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ppb.	ppb: parts per billion, or micrograms per liter (µg/L)
NA	NA: not applicable
ND	ND: Not detected
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Important Drinking Water Definitions								
Term	Definition							
MCLG	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.							

Important Drin	king Water Definitions
MĊL	MCL: Maximum Contaminant Level: 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.
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MRDLG	MRDLG: Maximum residual disinfection 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	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.
MNR	MNR: Monitored Not Regulated
MPL	MPL: State Assigned Maximum Permissible Level

TT Violation	Explanation	Length	Health Effects Language	Explanation and Comment
Ground Water Rule violations	Failure to Address Deficiency	09/2016- 12/2018	can cause symptoms such as nausea, orange	The system has completed corrective actions and is no longer in violation of this rule.

For more information please contact:

Contact Name: Alvin Cullom, Jr

Address: 265 E. Bay St Magnolia, MS 39652 Phone: 601 783-2008

PROOF OF PUBLICATION

McCOMB ENTERPRISE-JOURNAL

McComb, Mississippi

In The Case of

Filed Proof_

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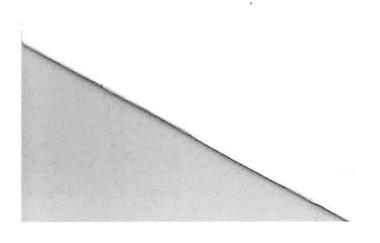
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STATE OF MISSISSIPPI,

COUNTY OF PIKE PERSONALLY CAME before me, the undersigned, a notary public in and for PIKE County, Mississippi, the CLERK of the McCOMBENTERPRISE-JOURNAL, a newspaper published in the City of McComb, Pike County, in said state who being duly sworn, deposes and says that the McCOMB ENTERPRISE-JOURNAL is a newspaper as defined and prescribed in Senate Bill No. 203 enacted at the regular session of the Mississippi Legislature of 1948, amending Section 1858, of the Mississippi Code of 1942, and that the publication of a notice, of which the annexed is a copy in the matter of times consecutively, to wit: has been made in said paper day of June 20 23 day of On the 20 day of . 20 On the day of On the day of ______, 20_____ day of On the day of ______, 20 _____ On the __ SWORN TO and subscribed before me, this Notary Public My Commission Expires: June 24, 2025 McComb, Miss To McComb Enterprise-Journal TO PUBLISHING case of _ words space RECEIVED OF ___

payment in full of the above account.

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Annual Drinking Quality Report Magnotta Rural Water Association, Inc. PWS#MS0570015 2022 CCR Report

2022 CCR Report

Is may water sain?

In my water sain! We are pleased to present the years Annual Water Casilly Report (Consume Direktorian Report) as required by the Sain Direkty Water Ad (2004). This apport is designed to produce details about where you water common force with I consider, and there compares to include and by required. This mayor is a respected for the water quality fill we wanted to produce you will be common to make the sain and the consumers to be before the produce of the consumers and the sain and the consumers are not be reflect and upon two are the consumers and the produce of the consumers are not be reflect and upon two are the consumers are the produced produced and the consumers are the consumers are the produced produced and the sain and the consumers are the consumers are the produced produced produced produced produced and the sain of the consumers are the consumers a

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Contemianata	мс	LG AL	Your Water	Sample Date	Erc	supted seeding AL	Exceeds AL	Typical Source
Loorganic Contamin	DRL							
Copper - action level consumer taps (ppm)	at 1.	1.3	1.B	2022		20	Yes	Corresion of household plumbing systems; Brosion of natural deposits
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MRDL	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.			
MNR	MNR: Monitored Not Regulated			
MPL	MPL: State Assigned Maximum Permissible Level			

TT Violation	Explanation	Length	Health Effects Language	Explanation and Comment
Ground Water Rule violations		09/2016- 12/2018	include bacteria, viruses, and parasites, which	The system has completed corrective actions and is no longer in violation of this rule.

For more laformation please contact:

Alvin Cullent, by Address 265 E. Bey St., Magnetia, MS 39652 Photos: 601783-2005

Magnolia Rural Water Assoc Inc P.O. Box 248 Magnolia, MS 39652 601-783-2008

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1146 UNION CHURCH ROAD ast Pmt \$40.00 05/25/23 ALLEN RODDY SVC:04/27/23-05/26/23 (29 days) Acct

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2056 UNION CHURCH ROAD MAGNOLIA MS 39652 GRADY CUTRER