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MSDH-WATER SUPPLY

2023 JUN 29 PM 4:09

Certification

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 II, III, and IV OR
Distribution Method III and IV

OFFICE USE ONLY

Public Water Supply name(s):

7-digit Public Water Supply ID #(s):

0320003, 0320010, 0320015

Distribution (Methods used to distribute CCR to our customers)

I. CCR directly delivered using one or more method below:

- *Provided direct Web address to customer
- Hand delivered
- Mail paper copy
- Email

*Add direct Web address (URL) here:

Example: "The current CCR is available at www.waterworld.org/ccrMay2023/0830001.pdf. call (000) 000-0000 for paper copy".

II. Published the complete CCR in the local newspaper.

Date(s) published:

6/29/2023 (weekly)

III. Inform customers the CCR will not be mailed but is available upon request.

Date(s) notified:

6/27/2023

List method(s) used (examples – newspaper, water bills, newsletter, etc.).

Location distributed:

system wide

IV. Post the complete CCR continuously at the local water office.

Date: 6/27/2023

"Good Faith Effort" in other public buildings with the water system service area (i.e. City Hall, Public Library, etc.)

Locations posted:

Post office, City Hall, Public Library

Certification

This Community public water system confirms it has distributed its Consumer Confidence Report (CCR) to its customers and the appropriate notices of availability have been given and that the information contained in its CCR is correct and consistent with the compliance monitoring data previously submitted to the MS State Department of Health, Bureau of Public Water Supply and the requirements of the CCR rule.

Name:

Jessie Hayden

Title:

Operator

Date:

6-29-2023

Submittal

Email the following required items to water.reports@msdh.ms.gov regardless of distribution methods used.

1. CCR (Water Quality Report)
2. Certification
3. Proof of delivery method(s)

2022 Annual Drinking Water Quality Report
McNair Stampley Waterworks
PWS#: 0320003, 0320010 & 0320015
June 2023

RECEIVED
MSDH-WATER SUPPLY

2023 JUN 19 AM 7:27

We're pleased to present to you this year's Annual Quality Water Report. This report is designed to help you understand 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.

Contact & Meeting Information

If you have any questions about this report or concerning your water utility, please contact Jessie Hayden at 601.443.3446. 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 second Thursday of each month at 7:00 PM at the main office.

Source of Water

Our water source is from wells drawing from 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 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 McNair Stampley Water Association have received lower to moderate susceptibility rankings to contamination.

Period Covered by Report

We routinely monitor for contaminants in your drinking water according to federal and state laws. This report is based on results of our monitoring period of January 1st to December 31st, 2022. In cases where monitoring wasn't required in 2022, the table reflects the most recent testing done in accordance with the laws, rules, and regulations.

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.

Terms and Abbreviations

In the table you may find unfamiliar terms and abbreviations you might not be familiar with. To help you better understand these terms we've provided the following definitions:

Action Level (AL) : The concentration of a contaminant which, if exceeded, triggers treatment or other requirements that 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 billion (ppb) or micrograms per liter: one part by weight of analyte to 1 billion parts by weight of the water sample.

Parts per million (ppm) or Milligrams per liter (mg/l): one part by weight of analyte to 1 million parts by weight of the water sample.

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

PWS ID #: 0320003**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								
10. Barium	N	2022	.0228	No Range	ppm	2	2	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
14. Copper	N	2018/20*	0	0	ppm	1.3	AL=1.3	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
17. Lead	N	2018/20*	0	0	ppb	0	AL=15	Corrosion of household plumbing systems, erosion of natural deposits
Unregulated Contaminants								
Sodium	N	2022	134	No Range	ppm	20	0	Road Salt, Water Treatment Chemicals, Water Softeners and Sewage Effluents.
Disinfection By-Products								
Chlorine	N	2022	1.3	1 – 1.4	ppm	0	MDRL = 4	Water additive used to control microbes

*Most recent sample. No sample required for 2022.

PWS ID #: 0320010**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								
10. Barium	N	2022	.0123	No Range	ppm	2	2	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
14. Copper	N	2018/20*	0	0	ppm	1.3	AL=1.3	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
16. Fluoride	N	2022	.101	No Range	ppm	4	4	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories
17. Lead	N	2018/20*	0	0	ppb	0	AL=15	Corrosion of household plumbing systems, erosion of natural deposits
Unregulated Contaminants								
Sodium	N	2022	124	No Range	ppm	20	0	Road Salt, Water Treatment Chemicals, Water Softeners and Sewage Effluents.
Disinfection By-Products								
Chlorine	N	2022	1.2	.8 – 1.4	ppm	0	MDRL = 4	Water additive used to control microbes

* Most recent sample. No sample required for 2022.

PWS ID #: 0320015**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								
10. Barium	N	2020*	.1661	No Range	ppm	2	2	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
13. Chromium	N	2020*	1.3	No Range	ppb	100	100	Discharge from steel and pulp mills; erosion of natural deposits
14. Copper	N	2020/22	.1	0	ppm	1.3	AL=1.3	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
16. Fluoride	N	2020*	.122	No Range	ppm	4	4	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories
17. Lead	N	2020/22	1	0	ppb	0	AL=15	Corrosion of household plumbing systems, erosion of natural deposits
Unregulated Contaminants								
Sodium	N	2022	22.9	No Range	ppm	20	0	Road Salt, Water Treatment Chemicals, Water Softeners and Sewage Effluents.
Disinfection By-Products								
Chlorine	N	2022	1.3	.8 – 1.6	ppm	0	MDRL = 4	Water additive used to control microbes

* Most recent sample. No sample required for 2022.

Microbiological Contaminants:

(1) 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 the drinking water distribution system. We found coliform indicating the need to look for potential problems in water treatment or distribution. When this occurs, we are required to conduct assessments (s) to identify problems and to correct any problems that were found during these assessments.

Sodium. EPA recommends that drinking water sodium not exceed 20 milligrams per liter (mg/L). Excess sodium from salt in the diet increases the risk of high blood pressure and cardiovascular disease.

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. 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.

LEAD INFORMATION

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.

VIOLATIONS

During May 2022 we had one sample on our system that tested positive for total coliform. The resamples were clear and show we are meeting drinking water standards. During the past year we were required to conduct and completed 1 (one) Level 1 assessment. In addition, we were required to take and completed 1 (one) corrective action.

UNREGULATED CONTAMINANTS

Unregulated contaminants are those for which EPA has not established drinking water standards. The purpose of unregulated contaminant monitoring is to assist EPA in determining the occurrence of unregulated contaminants in drinking water and whether future regulations are warranted.

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.

Our water system 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.

Please note: This report will not be mailed to each customer, however you may request a copy from our office.

The Fayette Chronicle

P. O. Box 536
Fayette, MS 39069

"Serving Fayette, Mississippi and Jefferson County Since 1866"

Charles K. Sheppard

Ph. (601) 786-3661

Owner/Publisher

PUBLISHER'S OATH

STATE OF MISSISSIPPI,
Jefferson County

Personally appeared before the undersigned THE FAYETTE CHRONICLE
Editor, Charles K. Sheppard

of the County, JEFFERSON, THE CITY OF FAYETTE one of the Publishers of the Fayette Chronicle, a weekly newspaper, printed and published in the town of Fayette and Jefferson County, in said county and State, who, being duly sworn deposes and says that said newspaper has been established for more than twelve months next prior to first publication mentioned below; and who further makes oath that publication of a notice, of which, the annexed is a copy, proof, has been made in said paper consecutively, to-wit:

on the <u>29th</u>	day of <u>June 2023</u>	<u>McNair / Stampley Water Association.</u>
on the _____	day of _____	<u>Drinking water (CCR) Report</u>
on the _____	day of _____	_____
on the _____	day of _____	_____
on the _____	day of _____	_____

CHARLES K. SHEPPHARD

Charles K. Sheppard, Publisher

And I,

do hereby certify that the papers containing said notice have been produced before me, and by be compared to the copy annexed, and that I find the proof of publication thereof to be correctly made.

Witness my hand and seal, this

29th day of June 2023
Jacqui S. Jackson
Notary Public

Fees and proof of publication \$5.00 Plus Cost of Mailing



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 overall 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.

Contact & Meeting Information
If you have any questions about this report or concerning your water utility, please contact Jason Hayden at 601-445-3446. We want our latest customers to be informed about their water utility. If you want to learn more, please attend any of our regularly scheduled meetings. They're held on the second Tuesday of each month at 7:00 PM in the main office.

Source of Water
Our water source is from wells drawing from the Catahoula Formation Aquifer. This aquifer water assessment has been completed for our public water system to determine the overall suitability of its drinking water supply to identify potential sources of contamination. A recent determining 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 McNair Stamperly Water Association have received lower to moderate susceptibility ratings to contamination.

Period Covered by Report
We routinely monitor for contaminants in your drinking water according to federal and state laws. This report is based on results of our monitoring period of January 1st to December 31st, 2022. In cases where a monitoring well is required in 2022, the table reflects the most recent sampling date in accordance with the laws, rules, and regulations. 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 other human activities, 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 and auto service centers; radon, a naturally occurring radioactive gas that can be found in some tap water, is also a concern. 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 one of these contaminants. It is important to remember that the presence of these contaminants does not necessarily indicate that the water poses a health risk.

Terms and Abbreviations
In the table you may find unfamiliar terms and abbreviations you might not be familiar with. To help you better understand these terms we've provided the following definitions:

Action Level (AL): The concentration of a contaminant which, if exceeded, triggers treatment or other requirements that 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 MCLG as is 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 Disinfection Level (MRDL):** The highest level of a disinfectant allowed in drinking water. There is convincing evidence that adding an amount of disinfectant is necessary to control microbial contamination.
Maximum Residual Disinfection Level Goal (MRDLG): The level of a disinfectant, water fluoridation below which there is no known or expected risk to health. MRDLGs do not reflect the benefits of the use of disinfectants in control microbial contamination.**Parts per Billion (ppb) or micrograms per liter:** One part by weight of analyte to a billion parts by weight of the water sample.
Parts per Million (ppm) or Milligrams per liter (mg/L): One part by weight of analyte to a million parts by weight of the water sample.
Level 1 Assessment: A study of the water system to identify potential problems and determine, if possible, why total coliform bacteria have been found in past water system.

PWS ID #: 0320015 TEST RESULTS

Contaminant	Value	Unit	Reg. or State	Reporting Method	MS-CLL	MS-CLL	MS-CLL	MS-CLL	MS-CLL
Inorganic Contaminants									
Arsenic	0.01	ppb	10	100%	0.01	2	2	2	2
Chloride	197	ppm	250	100%	250	1	1	1	1
Copper	0.007	ppm	1.3	100%	1.3	1	1	1	1
Ferrous Iron	2.2	ppm	30	100%	30	1	1	1	1
Lead	0.001	ppb	0.01	100%	0.01	2	2	2	2
Nitrate	0.2	ppm	10	100%	10	1	1	1	1
Sulfate	197	ppm	250	100%	250	1	1	1	1
Unregulated Contaminants									
Benzene	0.0001	ppb	0.7	100%	0.7	1	1	1	1
Disinfection By-Products									
Chloroform	0.01	ppb	1	100%	1	1	1	1	1

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. If that potential pathway exists through which contamination may enter the drinking water distribution system, we found no form indicating the need to link back to potential problems in water treatment or distribution. When this occurs, we are required to conduct water sampling to monitor for problems and to correct any problems that were found during these assessments. Strictly, EPA requirements that drinking water bacteria not exceed 5 cfu/gal per liter (mg/L). If this maximum level is exceeded, it increases the risk of high blood pressure and cardiovascular disease. We are required to monitor your drinking water for specific contaminants on a regular basis. Results of regular monitoring are an indicator of whether or not our drinking water meets health standards. In an effort to ensure water is a safe and reliable drinking water source, MSDEP will continue to monitor samples prior to the end of the monitoring period. **LEAD INFORMATION:** If present, elevated levels of lead can cause serious health problems, especially in pregnant women and young children. Lead in drinking water is primarily from materials and components used in the distribution system, such as pipes, faucets, water heaters, and 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. In certain situations, lead is available from the San Drinking Water Hotline or at the state or local water utility. The Minnesota State Department of Health (Health) Laboratory offers lead testing. Please contact 601-576-7462 if you wish to have your water tested. **VIOLATIONS:** During May 2022 we had one sample on our system that tested positive for total coliforms. The samples were clear and there was no discernible drinking water standards. During the past year we were required to conduct and complete a Level 1 assessment. In addition, we were required to take and complete a Level 2 assessment. In addition, we were required to take and complete a Level 3 assessment. The purpose of this report is to inform you about our water quality and whether future regulations are warranted. 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 occasionally be expected to contain at least small amounts of some contaminants. The presence of these substances 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. Immunocompromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplant, 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 CTR guidelines on appropriate means to reduce the risk of infection by a sporadic and other man-made contaminants are available from the Safe Drinking Water Hotline at 800-426-4791. Our water system will continue to work to provide up 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. Please note: This report will not be mailed to each customer, however you may request a copy from our office.

PWS ID #: 0320003 TEST RESULTS

Contaminant	Value	Unit	Reg. or State	Reporting Method	MS-CLL	MS-CLL	MS-CLL	MS-CLL	MS-CLL
Inorganic Contaminants									
Arsenic	0.002	ppb	10	100%	10	2	2	2	2
Chloride	197	ppm	250	100%	250	1	1	1	1
Copper	0.007	ppm	1.3	100%	1.3	1	1	1	1
Ferrous Iron	2.2	ppm	30	100%	30	1	1	1	1
Lead	0.001	ppb	0.01	100%	0.01	2	2	2	2
Nitrate	0.2	ppm	10	100%	10	1	1	1	1
Sulfate	197	ppm	250	100%	250	1	1	1	1
Unregulated Contaminants									
Benzene	0.0001	ppb	0.7	100%	0.7	1	1	1	1
Disinfection By-Products									
Chloroform	0.01	ppb	1	100%	1	1	1	1	1

PWS ID #: 0320010 TEST RESULTS

Contaminant	Value	Unit	Reg. or State	Reporting Method	MS-CLL	MS-CLL	MS-CLL	MS-CLL	MS-CLL
Inorganic Contaminants									
Arsenic	0.002	ppb	10	100%	10	2	2	2	2
Chloride	197	ppm	250	100%	250	1	1	1	1
Copper	0.007	ppm	1.3	100%	1.3	1	1	1	1
Ferrous Iron	2.2	ppm	30	100%	30	1	1	1	1
Lead	0.001	ppb	0.01	100%	0.01	2	2	2	2
Nitrate	0.2	ppm	10	100%	10	1	1	1	1
Sulfate	197	ppm	250	100%	250	1	1	1	1
Unregulated Contaminants									
Benzene	0.0001	ppb	0.7	100%	0.7	1	1	1	1
Disinfection By-Products									
Chloroform	0.01	ppb	1	100%	1	1	1	1	1

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Date of June 28, 2023