

Certification

RECEIVED
MSDH-WATER SUPPLY
2023 JUN 28 PM 3:52

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): <i>New Liberty Water Assoc.</i>	7-digit Public Water Supply ID #(s): <i>0070012</i>
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Distribution (Methods used to distribute CCR to our customers)

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

<input type="checkbox"/> *Provided direct Web address to customer <input type="checkbox"/> Hand delivered <input type="checkbox"/> Mail paper copy <input type="checkbox"/> 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".

<input checked="" type="checkbox"/> II. Published the complete CCR in the local newspaper.	Date(s) published:
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<input checked="" type="checkbox"/> III. Inform customers the CCR will not be mailed but is available upon request. List method(s) used (examples – newspaper, water bills, newsletter, etc.). <i>Posted on water meeting place door</i>	Date(s) notified:
	Location distributed:

<input checked="" type="checkbox"/> IV. Post the complete CCR continuously at the local water office. "Good Faith Effort" in other public buildings with the water system service area (i.e. City Hall, Public Library, etc.)	Date:
	Locations posted: <i>Courthouse Cathman Vardaman Post office</i>

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: <i>Charles D. Mahan</i>	Title: <i>Water operator</i>	Date: <i>6/28/23</i>
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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
New Liberty Water Association
PWS#: 0070012
June 2023

RECEIVED
MSDH-WATER SUPPLY
2023 JUN 12 AM 10:00

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.

Contact & Meeting Information

If you have any questions about this report or concerning your water utility, please contact Charles Dee Mahan at 662.983.0931. We want our valued customers to be informed about their water utility. If you want to learn more, please join us at any of our regularly scheduled meeting, held on the third Thursday of the month at 6:00 PM at the Old New Liberty School House.

Source of Water

Our water source is from wells drawing from the Gordo 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 New Liberty Water Association have received lower rankings in terms of susceptibility 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.

TEST RESULTS

Contaminant	Violation Y/N	Date Collected	Level Detected	Range of Detects or # of Samples Exceeding MCL/ACL/MRDL	Unit Measurement	MCLG	MCL	Likely Source of Contamination
Inorganic Contaminants								
8. Arsenic	N	2022	2.4	No Range	ppb	n/a	10	Erosion of natural deposits; runoff from orchards; runoff from glass and electronics production wastes
10. Barium	N	2022	.0353	No Range	ppm	2	2	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
14. Copper	N	2018/20*	.3	0	ppm	1.3	AL=1.3	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
16. Fluoride	N	2022	.496	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*	3	0	ppb	0	AL=15	Corrosion of household plumbing systems, erosion of natural deposits
19. Nitrate (as Nitrogen)	N	2022	.677	.657 - .677	ppm	10	10	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits
21. Selenium	N	2022	4.4	No Range	ppb	50	50	Discharge from petroleum and metal refineries; erosion of natural deposits; discharge from mines
Unregulated Contaminants								
Sodium	N	2021*	127	125 – 1.27	ppm	20	0	Road Salt, Water Treatment Chemicals, Water Softeners and Sewage Effluents.
Disinfection By-Products								
Chlorine	N	2022	.8	.4 – 1.3	mg/l	0	MRDL = 4	Water additive used to control microbes

* Most recent sample. No sample required for 2022.

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

As you can see by the table, our system had no violations. 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 contaminants have been detected, however the EPA has determined that your water IS SAFE at these levels.

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.

The New Liberty Water Association 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.

Proof Of Publication

STATE OF MISSISSIPPI,
 COUNTY OF CALHOUN

Personally came before me, the undersigned, a Notary Public, in and for Calhoun County, Mississippi, Joel McNeese, Publisher of The Calhoun County Journal, a newspaper published in Bruce, Calhoun County, in said state, who being duly sworn, deposes and says that The Calhoun County 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 the publication of a notice, of which annexed copy, in the matter of

NEW LIBERTY WATER ASSOCIATION WATER QUALITY REPORT

has been made in said newspaper one time, to-wit:

On the 21 day of JUNE 2023

Joel McNeese

 Joel McNeese
 Publisher

Sworn to and subscribed before me, this 21 day of June, 2023.

Celia D. Hillhouse

 Celia D. Hillhouse,
 Notary Public

My commission expires February 18, 2027

SEAL



We're pleased to present to you this year's Annual Quality Water Report. This report is designed to inform you about the quality of water and services we deliver to your every day. Our primary goal is to provide you with a safe and dependable supply of drinking water. We want you to be satisfied and we strive to continuously 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 Charles Day at (601) 883-0021. We want our valued customers to be informed about their water utility. If you want to learn more, please join us at any of our regularly scheduled meetings held on the third Thursday of the month at 6:00 PM at the Old New Liberty School House.

Source of Water
 Our water source is from wells drawing from the Cretaceous Aquifer. The source water assessment has been completed for our public water system to determine the extent of responsibility of its drinking water supply to identify potential sources of contamination. A report containing detailed information on how the susceptibility assessments were made has been furnished to our public water system and is available for viewing upon request. The wells for the New Liberty Water Association have received lower ratings in terms of responsibility to contamination.

Period Covered by Report
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An 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, industrial processes, and such as viruses and bacteria, that may come from sewage treatment plants, leaks, systems, agricultural practices, and other sources. Industrial, or domestic waste-water 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 solvents, including synthetic and volatile organic compounds, which are by-products of industrial processes and petroleum production, and can also come from gas stations and other 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 occasionally impacted by certain 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.

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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.

Contaminant	Violation Y/N	Date Detected	Level Detected	Range of Detects if it Exceeds Maximum Allowed (MCL)	Unit Measure	MCLG	MCL	AL	Clearly Source of Contamination
Inorganic Contaminants									
3. Arsenic	N	2022	2.4	No Range	ppb	0.01	0.05	0	Drinking of source deposits, report from agricultural runoff from pesticides
10. Barium	N	2022	3550	No Range	ppm	1000	3	2	Discharge of drilling water, discharge from metal refineries, natural deposits
10. Copper	N	2019/2021	2	0	ppm	1.3	1.3	ALM3	Corrosion of household plumbing systems, corrosion of natural deposits, leaching from metal pipes
11. Fluoride	N	2022	250	No Range	ppm	4	4	4	Corrosion of natural deposits, water added with fluoride during water treatment, discharge from metal refineries and phosphate fertilizers
17. Lead	N	2019/2021	2	0	ppb	0	0	ALM3	Corrosion of household plumbing systems, corrosion of natural deposits
18. Nitrate (as Nitrogen)	N	2022	477	607 - 877	ppm	10	10	10	Runoff from fertilizer use, leaching from soil, animal waste, discharge from metal refineries
21. Selenium	N	2022	4.4	No Range	ppb	0.05	0.05	0.05	Discharge from metal refineries and metal processing, discharge from mines
Unregulated Contaminants									
Cadmium	N	2021	122	153 - 1.37	ppm	0.01	0.01	0	Runoff from fertilizer use, leaching from soil, animal waste, discharge from metal refineries and metal processing, discharge from mines
Disinfection By-Products									
Chlorine	N	2022	0	4 - 13	ppm	0	0	MCLG	Water positive (0.01 to 0.02)

* Most recent sample: No sample prepared for 2022.
 Note: EPA requires that the drinking water industry be tested for lead and copper. Every public water system has an obligation to test for lead in high-risk residential customer homes.

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 the drinking water meets health standards. In an effort to reduce system-wide contamination, we have implemented several measures, including the installation of lead service lines and the use of corrosion control technology.

LEAD INFORMATION
 Lead in drinking water can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from lead pipes and components associated with service lines and home plumbing. Our water system is responsible for providing high quality drinking water, but cannot control the safety 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 want to have your water tested. Information on lead in drinking water, testing methods, and copy you can take to minimize exposure is available from the Safe Drinking Water Hotline or at <http://www.epa.gov/lead>. The Mississippi State Department of Health Public Health Laboratory offers lead testing. Please contact 801.576.2500 if you wish to have your water tested.

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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 transplants, people on dialysis, and other vulnerable populations, should take extra precautions. These people should work with their health care providers. EPA/CDC provides an appropriate means to reduce the risk of infection by Cryptosporidium and other microbiological contaminants in systems from the Safe Drinking Water Hotline 1.800.426.4771.

The New Liberty Water Association 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, the way of life and our children's future.