



2023 Annual Drinking Water Quality Report

City of Brandon

PWS ID#: 610003

June 2024

Mayor Butch Lee, the Board of Aldermen, and the City of Brandon Public Works Department are pleased to present the 2023 Annual Drinking Water Quality Report. This report is designed to inform you about the quality water and services delivered to you by the City of Brandon. Our constant goal is to provide you with a safe and dependable supply of drinking water. We want our customers 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 our water and services and strive to keep our valued customers informed about the water services that we offer.

The City of Brandon currently has ten operating wells, six tanks, one standpipe, and one booster pump. Our wells draw from the Sparta and Cockfield formation aquifers. Our system is required to adhere to all rules and regulations as set by State and Federal officials. This includes, but is not limited to, monthly bacteriological samples, routine inorganic sampling, continuous educational classes and certifications, and billing and collection.

The City of Brandon is pleased to report that our drinking water meets all federal and state requirements. We have learned through monitoring and testing that some constituents have been detected; however, the EPA has determined that your water is safe at these levels.

If you have any questions about this report or concerning your water services, please contact Carly Dearman, Public Works Operations Coordinator, at 601-824-4579, or by email at cdearman@brandonms.org.

The City of Brandon routinely monitors for various constituents in your drinking water according to Federal and State laws. **The table below shows the results of our monitoring for the period of January 1, 2023, to December 31, 2023.** As water travels over the land or underground, it can pick up substances or contaminants such as microbes, inorganic and organic chemicals, and radioactive substances. All drinking water, including bottled drinking water, may be reasonably expected to contain at least small amounts of some constituents. It is important to remember that the presence of these constituents does not necessarily pose a health risk.

In this table you will find many terms and abbreviations which might not be familiar to you. To help better understand these terms we have provided the following definitions:

Maximum Contaminant Level - 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 - 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.

Action Level – Action level (AL) is the level of lead or copper which, if exceeded, triggers treatment or other requirements that a water system must follow.

UOM – Unit of Measure

Contaminant	Violation	Collection Date	Highest Level Detected in Your Water	UOM	MCL	MCLG	Range of Results or # of Samples Exceeding MCL	Typical Source of Contamination
INORGANIC CONTAMINANTS								
Antimony, Total	No	2023	<0.0005	ppm	0.006		0	Discharge from petroleum refineries, fire retardants, ceramics, electronics
Arsenic	No	2023	<0.0005	ppm	.010		0	Erosion from natural deposits
Barium	No	2023	0.0015	ppm	2		0	Erosion of natural deposits
Beryllium, Total	No	2023	<0.0005	ppm	0.004		0	Discharge from metal refineries
Cadmium	No	2023	<0.0005	ppm	0.005		0	Corrosion of galvanized pipes
Cyanide	No	2023	<0.015	ppm	0.2		0	
Chromium	No	2023	<0.0005	ppm	0.1		0	
Fluoride	No	2023	0.368	ppm	4		0	
Mercury	No	2023	<0.0005	ppm	0.002		0	Erosion of natural deposits
Selenium	No	2023	<0.0025	ppm	0.05		0	Erosion of natural deposits
Thallium, Total	No	2023	<0.0005	ppm	0.002		0	Discharge from ore-processing sites
VOLATILE ORGANIC COMPOUNDS								
1, 2, 4 Trichlorobenzene	No	2023	<0.5	ppb	70		0	
CIS-1, 2 Dichloroethylene	No	2023	<0.5	ppb	70		0	
Xylenes, Total	No	2023	<0.5	ppb	10000		0	
Dichloromethane	No	2023	<0.5	ppb	5		0	
O-Dichlorobenzene	No	2023	<0.5	ppb	600		0	
P-Dichlorobenzene	No	2023	<0.5	ppb	75		0	
Vinyl Chloride	No	2023	<0.5	ppb	2		0	
1, 1 – Dichloroethane	No	2023	<0.5	ppb	7		0	
Trans-1, 2 – Dichloroethylene	No	2023	<0.5	ppb	100		0	
1, 2 – Dichloropropane	No	2023	<0.5	ppb	5		0	
1, 1, 1 – Trichloroethane	No	2023	<0.5	ppb	200		0	
Carbon Tetrachloride	No	2023	<0.5	ppb	5		0	
1, 2 – Dichloropropane	No	2023	<0.5	ppb	5		0	
Trichloroethylene	No	2023	<0.5	ppb	5		0	
1, 1, 2 – Trichloroethane	No	2023	<0.5	ppb	5		0	
Tetrachloroethylene	No	2023	<0.5	ppb	5		0	
Chlorobenzene	No	2023	<0.5	ppb	100		0	
Benzene	No	2023	<0.5	ppb	5		0	
Toluene	No	2023	<0.5	ppb	1000		0	
Ethylbenzene	No	2023	<0.5	ppb	700		0	
Styrene	No	2023	<0.5	ppb	100		0	

Contaminant	Violation	Collection Date	Highest Level Detected in Your Water	UOM	MCL	MCLG	Range of Results or # of Samples Exceeding MCL	Typical Source of Contamination
DISINFECTION BY-PRODUCTS								
Chlorine	No	2023	1.70	MG/L			0.00 MG/L to 3.63 MG/L	Water treatment
TTHM	No	2023	43	ppb			0	
HAA5	No	2023	15.2	ppb			0	
NITRATES								
Nitrate	No	2023	<0.08	ppm	10		0	
Nitrite	No	2023	<0.02	ppm	1		0	
Nitrate-Nitrite	No	2023	<0.1	ppm	10		0	
RAD								
Gross Alpha	No	2019	<1.98	PCI/L	15		0	
Radium-226	No	2019	0.32	PCI/L			0	
Radium-228	No	2019	1.10	PCI/L			0	
Combined Radium (-226 & -228)	No	2019	2.01	PCI/L	5		0	
Combined Uranium	No	2023	<0.5	ppb	30		0	
RADIOLOGICAL CONTAMINANTS								
Copper	No	2022	0.3	mg/L			0	Corrosion of household plumbing system; erosion of natural deposits; leaching from wood preservatives
Lead	No	2022	0.002	mg/L			0	Corrosion of household plumbing systems; erosion of natural deposits
UNREGULATED CONTAMINANTS (UCMR4)								
Sodium	No	2023	139	ppm		20	80.3-139	
Manganese	No	2019	1.9	ug/l			0.48-1.9	
Bromide	No	2019	41.2	ug/l			38.1-41.2	
Total Organic Carbon	No	2019	1070	ug/l				
HAA5	No	2019	12.78	ug/l			5.9-12.78	
HAA6Br	No	2019	9.5	ug/l			5.57-9	
HAA9	No	2019	18.22	ug/l			12.4-18.22	
AA9	No	2019	12.4	ug/l				

All sources of drinking water are subject to potential contamination by substances that are naturally occurring or manmade. 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. Additional information regarding water quality standards and guidelines can be found by visiting www.EPA.gov or www.msdh.ms.gov.

Regulation Governing Fluoridation of Community Water Supplies

To comply with the "Regulation Governing Fluoridation of Community Water Supplies", CITY OF BRANDON 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 0.6-1.2 parts per million (ppm) was 1. The percentage of fluoride samples collected in the previous calendar year that was within the optimal range of 0.6-1.2 ppm was 55%. The number of months samples were collected and analyzed in the previous calendar year was 1.

Unregulated Contaminants (UCMR4)

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.

ADDITIONAL INFORMATION

For all after hours and emergency Public Works issues, please call the main Public Works phone number at 601-824-4579. An on-call Public Works employee will be contacted to assist you.

All City of Brandon water meters are read each month electronically with AMI cellular technology, and consumption is billed monthly. Meter readings and reading dates can be found on your monthly utility bill. If you have questions regarding your meter readings or billing, please contact the Public Works Department for assistance.

Utility Bills are due and payable prior to midnight of the due date as specified on the monthly bill. Any balance that is not paid by the due date is subject to a late penalty and disconnection of services.

Application and disconnection of utility services with the City of Brandon must be made in writing to the City of Brandon Public Works Department. **Application and disconnection of utility services CANNOT be made by phone.** Please contact the Public Works Department for additional information and requirements.

Utility Bill Payment Options

- **In office, drive thru, drop box, or US Mail** – 1000 Municipal Drive, Brandon, MS 39042
- **Bank Draft** – available upon request and completion of the required paperwork
- **Online** – www.brandonms.org - credit card only – a service charge will apply
- **Phone Pay** – 888-626-8998 – credit card only – a service charge will apply

CITY OFFICIALS

Mayor Butch Lee

Sharon Womack - Alderman-at-Large

Jarrad Craine - Alderman Ward 1

Cris Vinson - Alderman Ward 2

Harry Williams - Alderman Ward 3

Lu Coker - Alderman Ward 4

Dwight Middleton - Alderman Ward 5

David Farris - Alderman Ward 6

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