

# Certification

<p><u>Water systems serving 10,000 or more must use:</u> Distribution Method I</p> <p><u>Water systems serving 500 - 9,999 must use:</u> Distribution Method I OR Distribution Method II, III, and IV</p> <p><u>Water system serving less than 500 people must use:</u> Distribution Method I OR Distribution Method II, III, and IV OR Distribution Method III and IV</p>		OFFICE USE ONLY
<p>Public Water Supply name(s): <b>Star Water Co.</b></p>	<p>7-digit Public Water Supply ID #(s): <b>0610027</b></p>	
<p><b>Distribution (Methods used to distribute CCR to our customers)</b></p>		
<p><input type="checkbox"/> I. CCR directly delivered using one or more method below:</p>		
<p><input checked="" type="checkbox"/> *Provided direct Web address to customer</p> <p style="margin-left: 20px;"> <input type="checkbox"/> Hand delivered  <input type="checkbox"/> Mail paper copy  <input type="checkbox"/> Email                 </p>	<p>*Add direct Web address (URL) here:</p> <p style="text-align: center; font-size: small;">Example: "The current CCR is available at <a href="http://www.waterworld.org/ccrMay2023/0830001.pdf">www.waterworld.org/ccrMay2023/0830001.pdf</a> call (000) 000-0000 for paper copy".</p>	
<p><input checked="" type="checkbox"/> II. Published the complete CCR in the local newspaper.</p>	<p>Date(s) published: <b>May 10, 2023</b></p>	
<p><input 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.).</p>	<p>Date(s) notified:</p> <p>Location distributed:</p>	
<p><input checked="" type="checkbox"/> IV. Post the complete CCR continuously at the local water office. <input type="checkbox"/> "Good Faith Effort" in other public buildings with the water system service area (i.e. City Hall, Public Library, etc.)</p>	<p>Date: <b>May 10, 2023</b></p> <p>Locations posted: <b>front office</b></p>	
<p><b>Certification</b></p>		
<p>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.</p>		
<p>Name: <b>Melanie Brandt</b></p>	<p>Title: <b>office manager</b></p>	<p>Date: <b>5/23/23</b></p>
<p><b>Submittal</b></p>		
<p>Email the following required items to <a href="mailto:water.reports@msdh.ms.gov">water.reports@msdh.ms.gov</a> regardless of distribution methods used.                  1. CCR (Water Quality Report)      2. Certification      3. Proof of delivery method(s)</p>		

**2022 Annual Drinking Water Quality Report**  
**Star Water Company, Inc.**  
**PWS#: 0610027**  
**April 2023**

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 Albert Brock at 601.845.1435. 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 Star Water office.

#### **Source of Water**

Our water source is from wells drawing from the Cockfield Formation and the Forest Hill Aquifers. 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 Star Water Company, Inc. have received lower 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 1<sup>st</sup> to December 31<sup>st</sup>, 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	Unit Measurement	MCLG	MCL	Likely Source of Contamination
<b>Inorganic Contaminants</b>								
10. Barium	N	2022	.0065	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	.616	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*	1	0	ppb	0	AL=15	Corrosion of household plumbing systems, erosion of natural deposits
<b>Unregulated Contaminants</b>								
Sodium	N	2019*	110000	No Range	ppb	0	0	Road Salt, Water Treatment Chemicals, Water Softeners and Sewage Effluents.
<b>Disinfection By-Products</b>								
81. HAA5	N	2021*	32.4	30.5 – 32.4	ppb	0	60	By-Product of drinking water disinfection.
82. TTHM [Total trihalomethanes]	N	2021*	27	26.8 - 27	ppb	0	80	By-product of drinking water chlorination.
Chlorine	N	2022	2.6	1.2 - 3	mg/l	0	MDRL = 4	Water additive used to control microbes

\* Most recent sample. No sample required for 2022.

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 Star Water Company, Inc. 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.

# AFFIDAVIT

PROOF OF PUBLICATION

RANKIN COUNTY NEWS • P.O. BOX 107 • BRANDON, MS 39043

STATE OF MISSISSIPPI  
COUNTY OF RANKIN

HIS 10TH DAY OF MAY, 2023, personally came Marcus Bowers, publisher of the Rankin County News,

a weekly newspaper printed and published in the City of Brandon, in the County of Rankin and State aforesaid, before me the undersigned officer in and for said County and State, who being duly sworn, deposes and says that said newspaper has been published for more than 12 months prior to the first publication of the attached notice and is qualified under Chapter 13-3-31, Laws of Mississippi, 1996, and laws supplementary and amendatory thereto, and that a certain

2022 ANNUAL DRINKING WATER QUALITY REPORT

STAR WATER COMPANY, INC.

a copy of which is hereto attached, was published in said newspaper One (1) week, as follows, to-wit:

Vol 175 No. 44, on the 10th day of May, 2023

Marcus Bowers  
MARCUS BOWERS, Publisher

Sworn to and subscribed before me by the aforementioned  
Marcus Bowers this 10th day of May, 2023

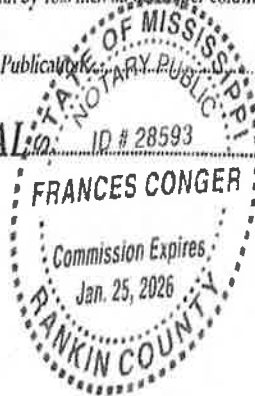
Frances Conger Notary Public  
FRANCES CONGER  
My Commission Expires: January 25, 2026

PRINTER'S FEE:

3 column by 13.5 inch ad at \$111 per column inch..... \$405.00

Proof of Publication..... 3.00

**TOTAL:**..... **\$408.00**



Water Quality Report  
Quality, Inc.  
9227  
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This report is designed to inform you about the quality water  
with a safe and dependable supply of drinking water. We  
for treatment process and protect the water resources. We

with contact Albert Brock at 601 845-1425. We want our  
to make, please attend one of our regularly scheduled  
to Star Water office.

out Hill Aquifers. The source water reservoir has  
ty of its drinking water supply to identify potential  
susceptibility determinations were made has been  
to the website for the Star Water Company, Inc. Home

also laws. This report is based on results of our  
n't required in 2022, the table reflects the most

ly dispersed and, in some cases, radioactive  
on human activity, microbial contaminants,  
the, agricultural pesticides, sprayers, and  
or result from urban storm-water runoff,  
fertilizers and herbicides, which may come  
organic chemical contaminants, including  
toxicum production, and can also come  
ating or be the result of oil and gas  
as regulations that limit the amount of  
of drinking water, may be reassessed  
the presence of lower concentrations.

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STATE OF MISSISSIPPI  
COUNTY OF RANKIN

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2022 Annual Drinking Water Quality Report  
Star Water Company, Inc.  
PWS# 0610027  
April 2023

present to you the year's Annual Quality Water Report. This report is designed to inform you about the quality water here to you every day. Our constant goal is to provide you with a safe and dependable supply of drinking water. We trust the efforts we make to continuously improve the water treatment process and protect our water resources. We are proud of the quality of your water.

For more information about this report or concerning your water utility, please contact Albert Brock at 601.845.1425. We want our customers to be informed about their water utility. If you want to learn more, please attend any of our regularly scheduled presentations on the second Thursday of each month at 7:00 PM at the Star Water office.

Information is provided to you from wells drawing from the Cockfield Formation and the Forest Hill Aquifers. The source water assessment has been conducted to determine the overall susceptibility of its drinking water supply to identify potential contamination. A report containing detailed information on how the susceptibility determinations were made has been prepared and is available for viewing upon request. The wells for the Star Water Company, Inc. have been tested for susceptibility to contamination.

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a weekly newspaper printed and published for said County and State, and for said County and State, which said newspaper has been published for the first publication of the attached copy of which is hereto attached, 13-3-31, Laws of Mississippi, 1936, and thereto, and that a certain

2022 ANNUAL DRINKING

STAR WATER COMPANY

a copy of which is hereto attached, (1) week, as follows, to-wit:

Vol 175 No. 44 on the 10th day

Marcus Bowers  
MARCUS BOWERS, Publisher

Sworn to and subscribed before me by Marcus Bowers this 10th day of May

Frances Conger  
FRANCES CONGIER  
My Commission Expires

PRINTER'S FEE:

3 column by 13.5 inch ad. at \$11.00 per

Proof of Publication

TOTAL

FRANCES CONGIER

Commission Expires Jan. 25, 20

RANKIN COUNTY

Contaminant	Violation Y/N	Date Collected	Level Detected	TEST RESULTS		MCLG	MCL	Usual Source of Contamination
				Range of Detects or # of Samples Exceeding MCL/MCLG	Unit Measurement			
<b>Inorganic Contaminants</b>								
12. Barium	N	2022	.0066	No Range	ppm			
14. Copper	N	2018/20	3	0	ppm			
16. Fluoride	N	2022	.016	No Range	ppm	2	2	Discharge of drilling wastes, erosion of natural materials, corrosion of household plumbing systems, erosion of natural deposits, emission of natural deposits, additive which promotes strong leach, discharge from fertilizer and aluminum facilities
17. Lead	N	2018/20	1	0	ppb	1.5	4	Corrosion of household plumbing systems, erosion of natural deposits
<b>Unregulated Contaminants</b>								
Sodium	N	2018	110000	No Range	ppb	0	0	
<b>Disinfection By-Products</b>								
81. HAAS	N	2021	32.4	30.5 - 32.4	ppb	0	0	Road Salt, Water Treatment Chemicals, Water Softeners and Storage Effluents
82. THM4 (Total Trihalomethanes)	N	2021	27	25.8 - 27	ppb	0	0	
83. Haloacetic Acids (HAA5)	N	2022	2.6	1.2 - 2	ppb	0	0	

Man-made waste such as salts and metals, which can be naturally occurring or result from urban storm-water runoff from a variety of sources such as agriculture, urban storm-water runoff, and mining, pesticides and herbicides, which may come from gas stations and auto repair shops, and synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum production, and can also come from 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 some 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 find on the table 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 Allowable" (MCL) is the highest level of a contaminant that is allowed in drinking water. MCLs are set at or below the MCLGL if it 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 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.

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**Parts per billion (ppb) or micrograms per liter (µg/L)** one part by weight of analyte to 1 billion parts by weight of the water sample.

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TEST RESULTS									
Contaminant	Violation Y/N	Date Collected	Level Detected	Range of Goals or % of Goal (Including MCL/AL)	Unit Measurement	MCLG	MCL	AL	Primary Source of Contamination
<b>Inorganic Contaminants</b>									
10. Barium	N	2022	6000	See Range	ppm	0	0	0	Mineral content of drinking water, dissolution of natural deposits.
14. Copper	N	03/16/20	0	0	ppm	1.3	1.3	1.3	Corrosion of household plumbing systems, erosion of natural deposits leaching from wood preservatives.
16. Fluoride	N	2022	0.78	No Range	ppm	4	4	4	Fluoride of natural elements, water additives which promote strong teeth; discharges from fertilizer and aluminum industries.
17. Lead	N	2019/2021	0	0	ppb	0	AL=15	0	Corrosion of household plumbing systems, erosion of natural deposits.
<b>Unregulated Contaminants</b>									
Sodium	N	2019	110000	No Range	ppm	0	0	0	Road Salt, Water Treatment Chemicals, Water Softeners and Sewage Effluents.
<b>Disinfection By-Products</b>									
H. HAAS	N	2021*	32.4	30.5 - 32.4	ppb	0	0	60	By-Product of drinking water disinfection.
G. THM Total Trihalomethanes	N	2021*	27	20.8 - 27	ppb	0	0	60	By-product of drinking water chlorination.
Moringe	N	2022	2.6	1.2 - 3	mg/l	0	MDRL = 4	0	Water additive used to control microbes.

*Last recent sample. No sample required for 2022.*  
You 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.

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**VIOLATIONS**  
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