

Certification

RECEIVED
MSDH-WATER SUPPLY
2023 JUN 27 AM 11:05

OFFICE USE ONLY

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

Public Water Supply name(s):
Castalian Water Assn.

7-digit Public Water Supply ID #(s):
0260003

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:

III. Inform customers the CCR will not be mailed but is available upon request.
List method(s) used (examples – newspaper, water bills, newsletter, etc.).

Date(s) notified:
6/25/23 on water bill
Location distributed:
Holmes City Herald

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:
6/16/23
Locations posted:
West City Hall

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: *Jammy Sitter*

Title: *officiant*

Date: *6/16/23*

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
Castalian Water Association
PWS#: 0260003
May 2023

RECEIVED
MSDH-WATER SUPPLY
2023 JUN -7 AM 9:20

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 Ed Hathcock at 662.571.2114. 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 to be held in January at 7:00 PM at West City Hall. Call for date.

Source of Water

Our water is purchased from the Holmes Interstate Utility District that has wells drawing from the Meridian Upper Wilcox 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 Holmes Interstate Utility District have received moderate 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 | | | | | | | | |
| 10. Barium | N | 2018* | .073 | No Range | ppm | 2 | 2 | Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits |
| 14. Copper | N | 2022 | .1 | 0 | ppm | 1.3 | AL=1.3 | Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives |
| 17. Lead | N | 2022 | 0 | 0 | ppb | 0 | AL=15 | Corrosion of household plumbing systems, erosion of natural deposits |
| 19. Nitrate (as Nitrogen) | N | 2019* | .11 | No Range | ppm | 10 | 10 | Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits |
| Unregulated Contaminants | | | | | | | | |
| Sodium | N | 2019* | 78000 | No Range | ppb | 0 | 0 | Road Salt, Water Treatment Chemicals, Water Softeners and Sewage Effluents. |
| Disinfection By-Products | | | | | | | | |
| 81. HAA5 | N | 2022 | 1.82 | No Range | ppb | 0 | 60 | By-Product of drinking water disinfection. |
| 82. TTHM [Total trihalomethanes] | N | 2022 | 4.16 | No Range | ppb | 0 | 80 | By-product of drinking water chlorination. |
| Chlorine | N | 2022 | 1.2 | .8 – 1.5 | mg/l | 0 | MRDL = 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 Castalian Water 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 HOLMES COUNTY HERALD LEXINGTON, MISSISSIPPI

**STATE OF MISSISSIPPI,
HOLMES COUNTY**

Personally appeared before me, the undersigned authority, Chancery Clerk of said County and State, Maria M. Edwards, publisher of a public newspaper called the *Holmes County Herald* established in 1959 and published continuously since that date in said County and State, who, being duly sworn, deposed and said that the notice, of which a true copy is hereto annexed, was published in said paper for 1 time(s), as follows, to wit:

**2022 Annual Drinking Water Quality Report
Castalian Water Association
PWS# 0260003
May 2023**

We're pleased to present to you this year's Annual Quality Water Report. The report is designed to inform you about the quality of 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 Ed Haddock at 662.571.2114. 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 to be held in January at 7:00 PM at West Day Mall. Call for details.

Source of Water
Our water is purchased from the Holmes Interstate Utility District that has wells drawing from the Meridian Upper Water Aquifer. The source water assessment has been completed for our public water systems 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 systems and is available for viewing upon request. The results for the Holmes Interstate Utility District have received moderate 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 substances 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, organic contaminants, such as solvents 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 practices and herbicides, which may come from a variety of sources such as agriculture, urban storm-water runoff, and residential use; synthetic organic chemicals, including synthetic and volatile organic chemicals, which are byproducts of industrial processes and petroleum production, and can also come from gas stations and auto 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 publishes regulations that limit the amount of these contaminants in water delivered 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 this table you may find terms, or 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 Allowable MCLs 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 do not apply to a range of water.

Maximum Residual Disinfectant Level (MRDL) The highest level of a disinfectant allowed in drinking water. There is convincing evidence that a specific concentration of disinfectant is essential to control microbial water.

Maximum Residual Disinfectant Level Goal (MRDLG) The goal of a disinfectant residual level goal is to provide a sufficient disinfectant residual in drinking water to control microbial water. MRDLGs do not reflect the variability of the actual disinfectant residual in drinking water.

Pounds per Gallon (ppg) A unit of measurement for water hardness, one part per million (ppm) equals one part per billion (ppb) by weight of the water sample.

Parts per Million (ppm) One part per million (ppm) equals one part per billion (ppb) by weight of the water sample.

TEST RESULTS

| Contaminant | Unit | Sample | Result | Standard | Notes |
|-------------|------|--------|--------|----------|-------|
|-------------|------|--------|--------|----------|-------|

Inorganic Contaminants

| Contaminant | Unit | Sample | Result | Standard | Notes |
|--|------|--------|--------|----------|---|
| Asbestos | ML | | | 7 | Asbestos is a known carcinogen and is found in some natural mineral deposits. Asbestos fibers can be inhaled and cause lung disease and cancer. |
| Barium | mg/L | | | 2 | Excessive barium can cause muscle weakness and respiratory distress. |
| Beryllium | mg/L | | | 0.2 | Beryllium is a known carcinogen and can cause chronic beryllium disease. |
| Cadmium | mg/L | | | 0.05 | Excessive cadmium can cause kidney damage and bone disease. |
| Chloride | mg/L | | | 250 | Excessive chloride can cause taste and odor problems. |
| Copper | mg/L | | | 1.3 | Excessive copper can cause gastrointestinal distress and liver damage. |
| Fluoride | mg/L | | | 4.0 | Excessive fluoride can cause dental fluorosis and skeletal fluorosis. |
| Iron | mg/L | | | 3.0 | Excessive iron can cause taste and odor problems. |
| Manganese | mg/L | | | 3.0 | Excessive manganese can cause neurological problems. |
| Nitrate | mg/L | | | 10 | Excessive nitrate can cause methemoglobinemia and blue baby syndrome. |
| Nitrite | mg/L | | | 1 | Excessive nitrite can cause methemoglobinemia and blue baby syndrome. |
| Radon | mg/L | | | 3 | Excessive radon can cause lung cancer. |
| Selenium | mg/L | | | 0.07 | Excessive selenium can cause hair loss and neurological problems. |
| Silver | mg/L | | | 0.1 | Excessive silver can cause kidney damage and argyria. |
| Sulfate | mg/L | | | 250 | Excessive sulfate can cause taste and odor problems. |
| Total Dissolved Solids (TDS) | mg/L | | | 500 | Excessive TDS can cause taste and odor problems. |
| Total Hardness (as CaCO ₃) | mg/L | | | 700 | Excessive hardness can cause scale buildup in pipes and appliances. |
| Total Suspended Solids (TSS) | mg/L | | | 5 | Excessive TSS can cause taste and odor problems. |
| Zinc | mg/L | | | 3.0 | Excessive zinc can cause taste and odor problems. |

Unregulated Contaminants

| Contaminant | Unit | Sample | Result | Standard | Notes |
|-------------|------|--------|--------|----------|-------|
|-------------|------|--------|--------|----------|-------|

Disinfection By-Products

| Contaminant | Unit | Sample | Result | Standard | Notes |
|-------------|------|--------|--------|----------|-------|
|-------------|------|--------|--------|----------|-------|

We are required to monitor your drinking water for nitrate compliance on a monthly basis. Results of regular monitoring are on file with the Holmes County Health Department. In an effort to ensure systems compliance with monitoring requirements, MSDM will conduct separate sampling of any existing 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. Get water from a responsible tap providing high quality drinking water. Do not use water for drinking or cooking until you receive a notice from your water utility stating that lead levels are below the action level. 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 ways you can reduce lead 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 601.596.7300. If you want to have your water tested.

VIOLATIONS

All you can see on the table are violations that no violations. We're proud of the quality of our water and the fact that we meet or exceed all Federal and State requirements. We have followed through on all violations and we'll continue to work on them. We'll continue to work on them. We'll continue to work on them. We'll continue to work on them.

UNREGULATED CONTAMINANTS

Unregulated contaminants are those for which EPA has not established drinking water standards. The purpose of this table is to provide information on these contaminants. We'll continue to work on them. We'll continue to work on them. We'll continue to work on them. We'll continue to work on them.

Vol. 65, No. 23 the 8th
day of JUNE, 2023

Vol. _____, No. _____ the _____
day of _____, 2023

Vol. _____, No. _____ the _____
day of _____, 2023

Vol. _____, No. _____ the _____
day of _____, 2023

Vol. _____, No. _____ the _____
day of _____, 2023

Vol. _____, No. _____ the _____
day of _____, 2023

Publisher Maria M. Edwards

Witness my hand and seal at Lexington, Mississippi this
the 8 day of June, 2023.

Charlie M. Luskett Chancery Clerk
by Edmond
17 INCHES Words: 1 time(s) D.C.

Amount \$ 133.50

RETURN THIS STUB WITH PAYMENT TO:
CASTALIAN WATER ASSOCIATION
 P.O. BOX 6
 WEST, MS 39192-0006
 662-582-7739

| | | |
|-----------------|--------------|------------|
| ACCOUNT NO. | SERVICE FROM | SERVICE TO |
| 010052000 | 05/26 | 06/26 |
| SERVICE ADDRESS | | |

| CURRENT | METER READINGS PREVIOUS | USED |
|---------------------|-------------------------|------|
| 698000 | 692000 | 6000 |
| CHARGE FOR SERVICES | | |

| | | |
|--------------------------------------|------------|-----------------------|
| PAY NET AMOUNT ON OR BEFORE DUE DATE | 07/14/2023 | AMOUNT AFTER DUE DATE |
| NET AMOUNT | SAVE THIS | GROSS AMOUNT |
| 46.60 | 4.70 | 51.30 |

CCR REPORT IS POSTED AT THE
 WEST CITY HALL

WTR 47.00
 CREDIT BAL .40-
 NET DUE >>> 46.60
 SAVE THIS >> 4.70
 GROSS DUE >> 51.30

RETURN SERVICE REQUESTED

010052000
 PAULINE COOK
 P.O. BOX 574

GOODMAN, MS 39079



| | | |
|-----------------|--------------|------------|
| ACCOUNT NO. | SERVICE FROM | SERVICE TO |
| 010053001 | 05/26 | 06/26 |
| SERVICE ADDRESS | | |

| CURRENT | METER READINGS PREVIOUS | USED |
|---------------------|-------------------------|-------|
| 787000 | 768000 | 19000 |
| CHARGE FOR SERVICES | | |

| | | |
|--------------------------------------|------------|-----------------------|
| PAY NET AMOUNT ON OR BEFORE DUE DATE | 07/14/2023 | AMOUNT AFTER DUE DATE |
| NET AMOUNT | SAVE THIS | GROSS AMOUNT |
| 338.30 | 11.85 | 350.15 |

CCR REPORT IS POSTED AT THE
 WEST CITY HALL

WTR 118.50
 PAST DUE 219.80
 NET DUE >>> 338.30
 SAVE THIS >> 11.85
 GROSS DUE >> 350.15

RETURN SERVICE REQUESTED

010053001
 IMESHIA KITHENS
 32717 HWY 12

DURANT, MS 39063



RETURN THIS STUB WITH PAYMENT TO:
CASTALIAN WATER ASSOCIATION
 P.O. BOX 6
 WEST, MS 39192-0006
 662-582-7739

Your amount is overpaid if
 payment has already been made
 kindly detach this reminder