

# Certification

RECEIVED  
MSDH-WATER SUPPLY  
2023 JUL -5 PM 9:35

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):  
  
*Twelve Oaks Estates*

7-digit Public Water Supply ID #(s):  
  
*MS0360069*

**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

The current CCR is available at:  
*bit.ly/2022CCRTwelveOaksEstates*  
  
*For a paper copy call: 1-855-801-8440*

**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:

Location distributed:

**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:

**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: *Justin Lundgren*

Title:  
EHS Compliance Coordinator

Date:  
**6/23/2023**

**Submittal**

Email the following required items to [water.reports@msdh.ms.gov](mailto:water.reports@msdh.ms.gov) regardless of distribution methods used.  
1. CCR (Water Quality Report)      2. Certification      3. Proof of delivery method(s)

## Table of Contents

---

3. About Us
  4. About your Drinking Water Supply
  5. Definition of Terms
  6. Definition of Terms Cont.
  7. Sources of Contaminants
  8. Water Quality Results
  9. Water Quality Results
  10. Notice of Violations
  11. Assessments
  12. Lead
  13. Backflow Prevention
  14. How to Participate
- 

### What is a Consumer Confidence Report (CCR)?

We proudly present our Annual Water Quality Report, also referred to as a CCR. CCRs provide customers with important information regarding the quality of their drinking water. They let customers know what contaminants, if any, were detected in their drinking water, as well as associated potential health effects. We are pleased to report the results of the laboratory testing of your drinking water during the calendar year of 2022. For your information, we have compiled a list of tables showing the testing of your drinking water during 2022.

## About Your Drinking Water Supply

### **Your Water Source:** Groundwater

#### **Source Water Assessment:**

The Mississippi Department of Environmental Quality has conducted a source water assessment in your area. They have determined that your system is at a lower risk of contamination.

#### **Disinfection Treatment:**

The water supplied to you is treated with chlorine to maintain water quality in the distribution system.

In order to ensure that tap water is safe to drink, EPA prescribes regulations which limit the amount of certain contaminants in water provided by public water systems. FDA regulations establish limits for contaminants in bottled water which must provide the same protection for public health.

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 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 (800-426-4791).

## Definition of Terms

**Million fibers per Liter (MFL):** A measure of asbestos

**Millirems per Year (MREM):** A measure of radiation absorbed by the body

**Minimum Reporting Limit (MRL):** The smallest measured concentration of a substance that can be reliably measured by a given analytical method.

**Not Applicable (NA):** Sampling was not completed by regulation or was not required.

**Not Detected (ND):** Not detectable at reporting limit.

**Nephelometric Turbidity Units (NTU):** Measure of clarity or turbidity of the water.

**Picocuries per liter (pCi/L):** Measure of the natural rate of disintegration of radioactive contaminants in water.

**Parts per billion (ppb):** One part substance per billion parts water or microgram per liter ( $\mu\text{g/L}$ ).

**Parts per million (ppm):** One part substance per million parts water or milligram per liter ( $\text{mg/L}$ ).

**Parts per quadrillion (ppq):** Parts per quadrillion, or picograms per liter ( $\text{pg/L}$ )

**Parts per trillion (ppt):** One part substance per trillion parts water or nanograms per liter ( $\text{ng/L}$ ).

$\text{ppm} \times 1000 = \text{ppb}$

$\text{ppb} \times 1000 = \text{ppt}$

$\text{ppt} \times 1000 = \text{ppq}$

**Treatment Technique (TT):** A required process intended to reduce the level of a contaminant in drinking water.

## Water Quality Report

The following page will display the results of your water quality

- Central States and our Utility Operating Companies conduct extensive monitoring to determine if your water meets all water quality standards. The detections of our monitoring are reported in the following tables.
- The state allows us to monitor for some contaminants less than once per year because the concentrations of these contaminants do not change frequently. Some of our data, though representative, are more than one year old.
- Regulated contaminants not listed in this table, were not found in the treated water supply.





## Notice of Violations

### 2022 Violations

Violation Type	Explanation & Health Effects	Violation Date	Corrective Action
<b><u>Chlorine</u></b> <b><u>Monitoring, Routine (DBP),</u></b> <b><u>Major</u></b>	Failed to collect the monthly bacteriological samples in March 2022	1/1/2022- 3/31/2022	Monthly samples were collected in April 2022 and were negative for bacteria.
<b><u>E. Coli</u></b> <b><u>Monitoring, Routine, Major</u></b> <b><u>(RTCR)</u></b>	Failed to collect the monthly bacteriological samples in March 2022	3/1/2022- 3/31/2022	Monthly samples were collected in April 2022 and were negative for bacteria.

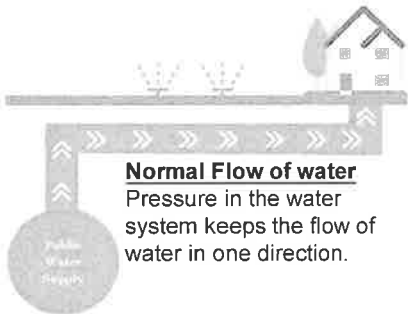
Please share this information with other people who drink this water, especially those who may not have received this notice directly (for example, People in apartments, nursing homes, schools, and businesses). You can do this by posting this notice in a public place or distributing copies by hand or mail.

# Backflow Prevention

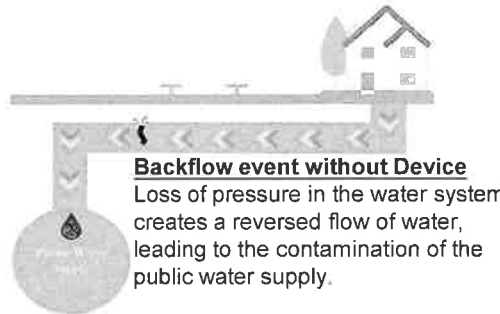
Backflow is the unwanted reversal of flow from a customer to the water supply. This is caused by a loss of pressure in the water supply line or an increase in pressure on the customer side. Common situations where backflow occurs are water main breaks or firefighting events. These events create low pressure in the distribution system. Backpressure can cause backflow when the pressure in a building exceeds the pressure in the water supply line, causing liquid from the customer's line to move into the water supply. Backflow Prevention Devices are designed to restrict the flow of water to one direction.

## Cross Connection

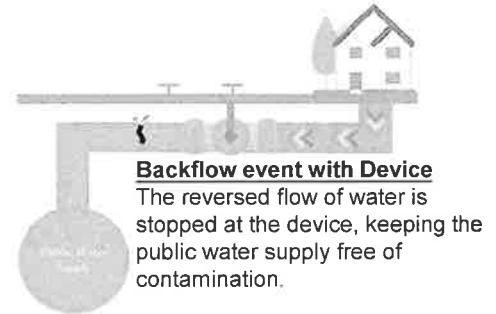
Cross-connections are links between a customer and the drinking water supply lines. Cross-Connections may contaminate the drinking water supply if there is a backflow event. Backflow through cross-connections are very serious and have the potential to cause serious health hazards.



**Normal Flow of water**  
Pressure in the water system keeps the flow of water in one direction.



**Backflow event without Device**  
Loss of pressure in the water system creates a reversed flow of water, leading to the contamination of the public water supply.



**Backflow event with Device**  
The reversed flow of water is stopped at the device, keeping the public water supply free of contamination.

## **Common household items requiring installation of a Backflow Prevention Device**

Lawn Irrigation/Sprinkler System, Pool, Hot Tub, Fire Protection Sprinklers and Boilers

If you have any questions about Backflow Prevention or would like to notify CSWR of your Backflow Devices, please call or email: Great River Utility Operating Company at 1-855-801-8440 or [support@greatriveruoc.com](mailto:support@greatriveruoc.com)



**GREAT RIVER**  
Utility Operating Company

A CSWR Managed Utility

FIRST-CLASS MAIL  
PRESORTED  
U.S. POSTAGE PAID  
ST. LOUIS, MO  
PERMIT NO. 1281



1630 Des Peres Rd., Suite  
140 Des Peres, MO 63131



WAYNE ARCENEUX  
OR CURRENT CUSTOMER  
18417 DEER DR  
SAUCIER, MS 39574-9635

-26097



PRESS FIRMLY TO SEAL

RDC 07

39216

U.S. POSTAGE PAID  
PM# 1 Day  
SAINT LOUIS, MO  
63131  
JUN 29, 23  
AMOUNT  
\$28.95  
R2304M11112-11



PRIORI  
★ MAIL  
EXPRE



CUSTOMER USE ONLY FROM: (PLEASE PRINT) PHONE ( )

Central States Water Resources  
EHS  
1630 Des Peres Rd  
Des Peres, MO 63131

DELIVERY OPTIONS (Customer Use Only)

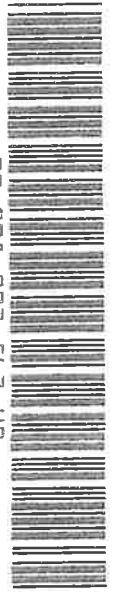
- SIGNATURE REQUIRED Note: The mailer must check the Signature Required box if the mailer requires the addressee's signature. OR 2) Purchases additional insurance. OR 3) Purchases COD service. OR 4) Purchases Return Receipt service. If the box is not checked, the Postal Service will leave the item in the addressee's mail receptacle or other return location without attempting to obtain the addressee's signature on delivery.
- No Saturday Delivery (delivered next business day)
- Sunday/Holiday Delivery Required (additional fee, where available)
- \*Refer to USPS.com or local Post Office for availability.

TO: (PLEASE PRINT) PHONE ( )  
Mississippi State Department of Health  
Attn: Water Supply  
570 East Woodrow Wilson Dr.  
Jackson, MS 39216  
ZIP + 4 (U.S. ADDRESSES ONLY)

For pickup or USPS Tracking™, visit USPS.com or call 800-222-1811.  
\$100.00 insurance included.

PEEL FROM THIS CORNER

VISIT US AT USPS.COM  
ORDER FREE SUPPLIES ONLINE



EI 398 093 563 US

PAYMENT BY ACCOUNT (if applicable)

USPS Corporate Acct. No. Federal Agency Acct. No. or Postal Service™ Acct. No.

ORIGIN (POSTAL SERVICE USE ONLY)

PO ZIP Code 63131 Scheduled Delivery Date 6-30  
 1-day  2-day  Military  DPO

Date Accepted (MM/DD/YY) 6-29 Scheduled Delivery Time 6:00 PM Insurance Fee \$28.95  
Time Accepted 3:46  AM  PM Return Receipt Fee \$ Live Animal Transportation Fee \$

Special Handling/Fragile \$ Sunday/Holiday Premium Fee \$ Total Postage & Fees \$28.95

Weight lbs. ozs.  Parcel Rate  Acceptance Employee Initials \$

DELIVERY (POSTAL SERVICE USE ONLY) Delivery Attempt (MM/DD/YY) Time Employee Signature

Delivery Attempt (MM/DD/YY) Time Employee Signature

LABEL 11-B, MAY 2021 PSN 7690-02-000-9996

