



# **JACKSON COUNTY UTILITY AUTHORITY**

*Serving the People...Protecting the Environment*

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## **2025 Consumer Confidence Report – JCUA West Water System PWS# 0300164**

### **Spanish (Espanol)**

Este informe contiene informacion muy importante sobre la calidad de su agua beber. Traduscalo o hable con alguien que lo entienda bien.

### **Is my water safe?**

We are pleased to present this year's Annual Water Quality Report (Consumer Confidence Report) as required by the Safe Drinking Water Act (SDWA). This report is designed to provide details about where your water comes from, what it contains, and how it compares to standards set by regulatory agencies. This report is a snapshot of last year's water quality. We are committed to providing you with information because informed customers are our best allies.

### **Do I need to take special precautions?**

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/Centers for Disease Control (CDC) guidelines on appropriate means to lessen the risk of infection by Cryptosporidium and other microbial contaminants are available from the Safe Water Drinking Hotline (800-426-4791).

### **Where does my water come from?**

The water supply in northwest Jackson County comes from groundwater wells that are strategically located throughout the region. These wells tap into the Miocene Aquifer System, which is a significant underground water source in the area.

### **Source water assessment and its availability**

MDEQ has completed a source water assessment of the Jackson County Utility Authority - East Water System and its susceptibility to contamination. All JCUA wells have a Moderate rating for susceptibility to contamination. An Annual Inspection for your water system was completed on February 24, 2026, and received a score of 100 out of a possible 100, indicating that it met or exceeded all regulatory requirements and standards set by the overseeing authorities.

### **Why are there contaminants in my drinking water?**

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 (EPA) Safe Drinking Water Hotline (800-426-4791). The sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs, and wells. As water travels over the surface of the land or through the ground, it dissolves naturally occurring minerals and, in some cases, radioactive material, and can pick up substances resulting 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 stormwater 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 stormwater 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, urban stormwater runoff, and septic systems; and 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. Food and Drug Administration (FDA) regulations establish limits for contaminants in bottled water which must provide the same protection for public health.

## **How can I get involved?**

The Jackson County Utility Authority is governed by the Board of Directors which convenes open meetings on the second and fourth Mondays of each month beginning at 4:00 PM at the Administration Building Conference Room located at 1225 Jackson Avenue, Pascagoula, MS 39567.

Additionally, the authority schedules water, wastewater, laboratory, agricultural, and wildlife activities throughout the year and upon request. Weekly conservation activities are also scheduled by the local chapter of the Audubon Society at their 1,500-acre land treatment facility.

Customer Service Number: (228) 266-2225, Website: [www.jcua-ms.us](http://www.jcua-ms.us).

## **Description of Water Treatment Process**

Your water is treated by disinfection. Disinfection involves the addition of chlorine or other disinfectant to kill dangerous bacteria and microorganisms that may be in the water. Disinfection is considered to be one of the major public health advances of the 20th century.

## **Water Conservation Tips**

Did you know that the average U.S. household uses approximately 400 gallons of water per day or 100 gallons per person per day? Luckily, there are many low-cost and no-cost ways to conserve water. Small changes can make a big difference - try one today and soon it will become second nature.

- Take short showers - a 5 minute shower uses 4 to 5 gallons of water compared to up to 50 gallons for a bath.
- Shut off water while brushing your teeth, washing your hair and shaving and save up to 500 gallons a month.
- Use a water-efficient showerhead. They're inexpensive, easy to install, and can save you up to 750 gallons a month.
- Run your clothes washer and dishwasher only when they are full. You can save up to 1,000 gallons a month.
- Water plants only when necessary.
- Fix leaky toilets and faucets. Faucet washers are inexpensive and take only a few minutes to replace. To check your toilet for a leak, place a few drops of food coloring in the tank and wait. If it seeps into the toilet bowl without flushing, you have a leak. Fixing it or replacing it with a new, more efficient model can save up to 1,000 gallons a month.

- Adjust sprinklers so only your lawn is watered. Apply water only as fast as the soil can absorb it and during the cooler parts of the day to reduce evaporation.
- Teach your kids about water conservation to ensure a future generation that uses water wisely. Make it a family effort to reduce next month's water bill!
- Visit [www.epa.gov/watersense](http://www.epa.gov/watersense) for more information.

## Additional Information for Lead

The system inventory does not include lead service lines.

Additional information regarding system installation was obtained through JCUA records and the use of the Jackson County Website to determine if construction was later than 1985.

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. JCUA – West Water System 0300164 is responsible for providing high quality drinking water and removing lead pipes but cannot control the variety of materials used in plumbing components in your home. You share the responsibility for protecting yourself and your family from the lead in your home plumbing. You can take responsibility by identifying and removing lead materials within your home plumbing and taking steps to reduce your family's risk. Before drinking tap water, flush your pipes for several minutes by running your tap, taking a shower, doing laundry or a load of dishes. You can also use a filter certified by an American National Standards Institute accredited certifier to reduce lead in drinking water. If you are concerned about lead in your water and wish to have your water tested, contact Jackson County Utility Authority, Customer Service Office at 228-762-0119 (Gautier, MS). Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available at the following website <http://www.epa.gov/safewater/lead>.

## Water Quality Data Table

In order to ensure that tap water is safe to drink, EPA prescribes regulations which limit the amount of contaminants in water provided by public water systems. The table below lists all of the drinking water contaminants that we detected during the calendar year of this report. Although many more contaminants were tested, only those substances listed below were found in your water. All sources of drinking water contain some naturally occurring contaminants. At low levels, these substances are generally not harmful in our drinking water. Removing all contaminants would be extremely expensive, and in most cases, would not provide increased protection of public health. A few naturally occurring minerals may actually improve the taste of drinking water and have nutritional value at low levels. Unless otherwise noted, the data presented in this table is from testing done in the calendar year of the report. The EPA or the State requires us to monitor for certain contaminants less than once per year because the concentrations of these contaminants do not vary significantly from year to year, or the system is not considered vulnerable to this type of contamination. As such, some of our data, though representative, may be more than one year old. In this table you will find terms and abbreviations that might not be familiar to you. To help you better understand these terms, we have provided the definitions below the table.

| Contaminants                                                                                                      | MCLG<br>or<br>MRDLG | MCL,<br>TT, or<br>MRDL | Detect<br>In<br>Your<br>Water | Range |      | Sample<br>Date | Violation | Typical Source                            |
|-------------------------------------------------------------------------------------------------------------------|---------------------|------------------------|-------------------------------|-------|------|----------------|-----------|-------------------------------------------|
|                                                                                                                   |                     |                        |                               | Low   | High |                |           |                                           |
| Disinfectants & Disinfection By-Products                                                                          |                     |                        |                               |       |      |                |           |                                           |
| (There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants) |                     |                        |                               |       |      |                |           |                                           |
| Chlorine (as Cl2) (ppm)                                                                                           | 4                   | 4                      | 2                             | 0.74  | 3.5  | 2025           | No        | Water additive used to control microbes   |
| Haloacetic Acids (HAA5) (ppb)                                                                                     | NA                  | 60                     | 31.1                          | 21.9  | 31.1 | 2025           | No        | By-product of drinking water chlorination |

| Contaminants                         | MCLG<br>or<br>MRDLG | MCL,<br>TT, or<br>MRDL | Detect<br>In<br>Your<br>Water | Range |      | Sample<br>Date | Violation | Typical Source                                                                                                                      |
|--------------------------------------|---------------------|------------------------|-------------------------------|-------|------|----------------|-----------|-------------------------------------------------------------------------------------------------------------------------------------|
|                                      |                     |                        |                               | Low   | High |                |           |                                                                                                                                     |
| TTHMs [Total Trihalomethanes] (ppb)  | NA                  | 80                     | 45.8                          | 45.8  | 47.2 | 2025           | No        | By-product of drinking water disinfection                                                                                           |
| <b>Inorganic Contaminants</b>        |                     |                        |                               |       |      |                |           |                                                                                                                                     |
| Antimony (ppb)                       | 6                   | 6                      | ND                            | NA    | NA   | 2025           | No        | Discharge from petroleum refineries; fire retardants; ceramics; electronics; solder; test addition.                                 |
| Arsenic (ppb)                        | 00                  | 10                     | 1.1                           | NA    | NA   | 2025           | No        | Erosion of natural deposits; Runoff from orchards; Runoff from glass and electronics production wastes                              |
| Barium (ppm)                         | 2                   | 2                      | 0.0037                        | NA    | NA   | 2025           | No        | Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits                                          |
| Beryllium (ppb)                      | 4                   | 4                      | ND                            | NA    | NA   | 2025           | No        | Discharge from metal refineries and coal-burning factories; Discharge from electrical, aerospace, and defense industries            |
| Cadmium (ppb)                        | 5                   | 5                      | ND                            | NA    | NA   | 2025           | No        | Corrosion of galvanized pipes; Erosion of natural deposits; Discharge from metal refineries; runoff from waste batteries and paints |
| Chromium (ppm)                       | 0.1                 | 0.1                    | 0.0009                        | NA    | NA   | 2025           | No        | Discharge from steel and pulp mills; Erosion of natural deposits                                                                    |
| Fluoride (ppm)                       | 4                   | 4                      | 0.54                          | NA    | NA   | 2025           | No        | Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from fertilizer and aluminum factories           |
| Mercury [Inorganic] (ppb)            | 2                   | 2                      | ND                            | NA    | NA   | 2025           | No        | Erosion of natural deposits; Discharge from refineries and factories; Runoff from landfills; Runoff from cropland                   |
| Nitrate [measured as Nitrogen] (ppm) | 10                  | 10                     | ND                            | 0.08  | 0.08 | 2025           | No        | Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits                                         |
| Nitrite [measured as Nitrogen] (ppm) | 1                   | 1                      | ND                            | 0.02  | 0.02 | 2025           | No        | Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits                                         |

| Contaminants                            | MCLG<br>or<br>MRDLG | MCL,<br>TT, or<br>MRDL | Detect<br>In<br>Your<br>Water | Range |      | Sample<br>Date | Violation | Typical Source                                                                                   |
|-----------------------------------------|---------------------|------------------------|-------------------------------|-------|------|----------------|-----------|--------------------------------------------------------------------------------------------------|
|                                         |                     |                        |                               | Low   | High |                |           |                                                                                                  |
| Selenium (ppb)                          | 50                  | 50                     | ND                            | NA    | NA   | 2025           | No        | Discharge from petroleum and metal refineries; Erosion of natural deposits; Discharge from mines |
| Thallium (ppb)                          | 0.5                 | 2                      | ND                            | NA    | NA   | 2025           | No        | Discharge from electronics, glass, and Leaching from ore-processing sites; drug factories        |
| <b>Volatile Organic Contaminants</b>    |                     |                        |                               |       |      |                |           |                                                                                                  |
| 1,1,1-Trichloroethane (ppb)             | 200                 | 200                    | ND                            | NA    | NA   | 2025           | No        | Discharge from metal degreasing sites and other factories                                        |
| 1,1,2-Trichloroethane (ppb)             | 3                   | 5                      | ND                            | NA    | NA   | 2025           | No        | Discharge from industrial chemical factories                                                     |
| 1,1-Dichloroethylene (ppb)              | 7                   | 7                      | ND                            | NA    | NA   | 2025           | No        | Discharge from industrial chemical factories                                                     |
| 1,2,4-Trichlorobenzene (ppb)            | 70                  | 70                     | ND                            | NA    | NA   | 2025           | No        | Discharge from textile-finishing factories                                                       |
| 1,2-Dichloroethane (ppb)                | 00                  | 5                      | ND                            | NA    | NA   | 2025           | No        | Discharge from industrial chemical factories                                                     |
| 1,2-Dichloropropane (ppb)               | 00                  | 5                      | ND                            | NA    | NA   | 2025           | No        | Discharge from industrial chemical factories                                                     |
| Benzene (ppb)                           | 00                  | 5                      | ND                            | NA    | NA   | 2025           | No        | Discharge from factories; Leaching from gas storage tanks and landfills                          |
| Carbon Tetrachloride (ppb)              | 00                  | 5                      | ND                            | NA    | NA   | 2025           | No        | Discharge from chemical plants and other industrial activities                                   |
| Chlorobenzene (monochlorobenzene) (ppb) | 100                 | 100                    | ND                            | NA    | NA   | 2025           | No        | Discharge from chemical and agricultural chemical factories                                      |
| Dichloromethane (ppb)                   | 00                  | 5                      | ND                            | NA    | NA   | 2025           | No        | Discharge from pharmaceutical and chemical factories                                             |
| Ethylbenzene (ppb)                      | 700                 | 700                    | ND                            | NA    | NA   | 2025           | No        | Discharge from petroleum refineries                                                              |
| Styrene (ppb)                           | 100                 | 100                    | ND                            | NA    | NA   | 2025           | No        | Discharge from rubber and plastic factories; Leaching from landfills                             |
| Tetrachloroethylene (ppb)               | 00                  | 5                      | ND                            | NA    | NA   | 2025           | No        | Discharge from factories and dry cleaners                                                        |
| Toluene (ppb)                           | 1000                | 1000                   | ND                            | NA    | NA   | 2025           | No        | Discharge from petroleum factories                                                               |
| Trichloroethylene (ppb)                 | 00                  | 5                      | ND                            | NA    | NA   | 2025           | No        | Discharge from metal degreasing sites and other factories                                        |

| Contaminants                     | MCLG or MRDLG | MCL, TT, or MRDL | Detect In Your Water | Range |      | Sample Date | Violation | Typical Source                                                        |
|----------------------------------|---------------|------------------|----------------------|-------|------|-------------|-----------|-----------------------------------------------------------------------|
|                                  |               |                  |                      | Low   | High |             |           |                                                                       |
| Vinyl Chloride (ppb)             | 00            | 2                | ND                   | NA    | NA   | 2025        | No        | Leaching from PVC piping; Discharge from plastics factories           |
| Xylenes (ppb)                    | 10000         | 10000            | ND                   | NA    | NA   | 2025        | No        | Discharge from petroleum factories; Discharge from chemical factories |
| cis-1,2-Dichloroethylene (ppb)   | 70            | 70               | ND                   | NA    | NA   | 2025        | No        | Discharge from industrial chemical factories                          |
| o-Dichlorobenzene (ppb)          | 600           | 600              | ND                   | NA    | NA   | 2025        | No        | Discharge from industrial chemical factories                          |
| p-Dichlorobenzene (ppb)          | 75            | 75               | ND                   | NA    | NA   | 2025        | No        | Discharge from industrial chemical factories                          |
| trans-1,2-Dichloroethylene (ppb) | 100           | 100              | ND                   | NA    | NA   | 2025        | No        | Discharge from industrial chemical factories                          |

#### Violations and Exceedances

The Jackson County Utility Authority has no violations or exceedances for 2025.

#### Additional Contaminants

As part of an on-going evaluation program the EPA has required us to monitor some additional unregulated contaminants/chemicals. Information collected through the monitoring of these unregulated contaminants/chemicals will help to ensure that future decisions on drinking water standards are based on sound science.

| Contaminants  | MCLG or MRDLG | Detect In Your Water | Range |      | Sample Date | Violation | Explanation or Comment                |
|---------------|---------------|----------------------|-------|------|-------------|-----------|---------------------------------------|
|               |               |                      | Low   | High |             |           |                                       |
| Sodium (ppm)  | 20            | 165                  | 137   | 165  | 2025        | No        | Erosion of natural deposits; Leaching |
| Lithium (ppb) | 9             | 12.32                | 10    | 16   | 2023        | No        |                                       |

Sodium is an unregulated (inorganic) contaminate. EPA recommends that drinking-water with sodium not exceed 20 parts per million (ppm). Excess sodium from salt in the diet increases the risk of high blood pressure and cardiovascular disease.

Typical sources: Road salt, water treatment chemicals, domestic water softeners, sewage effluents, erosion of natural deposits, and leaching.

Lithium is a naturally occurring metal that may concentrate in brine waters; lithium salts are used in electrochemical cells, batteries, and in organic syntheses. For additional information regarding lithium in your drinking water, please visit [www.epa.gov/system/files/documents/2023-11/ucmr5-technical-fact-sheet-lithium-in-drinking-water.pdf](http://www.epa.gov/system/files/documents/2023-11/ucmr5-technical-fact-sheet-lithium-in-drinking-water.pdf)

| Unit Descriptions |                                                        |
|-------------------|--------------------------------------------------------|
| Term              | Definition                                             |
| ppm               | ppm: parts per million, or milligrams per liter (mg/L) |

| Unit Descriptions |                                                        |
|-------------------|--------------------------------------------------------|
| ppb               | ppb: parts per billion, or micrograms per liter (µg/L) |
| NA                | NA: not applicable                                     |
| ND                | ND: Not detected                                       |
| NR                | NR: Monitoring not required, but recommended.          |

| Important Drinking Water Definitions |                                                                                                                                                                                                                                                         |
|--------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Term                                 | Definition                                                                                                                                                                                                                                              |
| MCLG                                 | MCLG: Maximum Contaminant Level Goal: 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.                                                                        |
| MCL                                  | MCL: Maximum Contaminant Level: 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.                                                     |
| TT                                   | TT: Treatment Technique: A required process intended to reduce the level of a contaminant in drinking water.                                                                                                                                            |
| AL                                   | AL: Action Level: The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.                                                                                                     |
| Variances and Exemptions             | Variances and Exemptions: State or EPA permission not to meet an MCL or a treatment technique under certain conditions.                                                                                                                                 |
| MRDLG                                | MRDLG: Maximum residual disinfection level goal. The level of a drinking water disinfectant below which there is no known or expected risk to health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contaminants. |
| MRDL                                 | MRDL: Maximum residual disinfectant level. The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.                              |
| MNR                                  | MNR: Monitored Not Regulated                                                                                                                                                                                                                            |
| MPL                                  | MPL: State Assigned Maximum Permissible Level                                                                                                                                                                                                           |
| 90th Percentile                      | Compliance with the lead and copper action levels is based on the 90th percentile lead and copper levels. This means that the concentration of lead and copper must be less than or equal to the action level in at least 90% of the samples collected. |

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