

2021 CERTIFICATION

Consumer Confidence Report (CCR)

PRINT Public Water System Name

East Madison Water Association, Inc.

List PWS ID #s for all Community Water Systems included in this CCR

0450007

CCR DISTRIBUTION (Check all boxes that apply)

| INDIRECT DELIVERY METHODS (Attach copy of publication, water bill or other) | DATE ISSUED |
|--|-------------|
| <input checked="" type="checkbox"/> Advertisement in local paper (Attach copy of advertisement) | 4-22-22 |
| <input checked="" type="checkbox"/> On water bill (Attach copy of bill) | 6-30-22 |
| <input type="checkbox"/> Email message (Email the message to the address below) | 6-30-22 |
| <input type="checkbox"/> Other (Describe: <u>Memo Board</u>) | |
| DIRECT DELIVERY METHOD (Attach copy of publication, water bill or other) | DATE ISSUED |
| <input type="checkbox"/> Distributed via U.S. Postal Service | |
| <input type="checkbox"/> Distributed via E-mail as a URL (Provide direct URL): _____ | |
| <input type="checkbox"/> Distributed via Email as an attachment | |
| <input type="checkbox"/> Distributed via Email as text within the body of email message | |
| <input type="checkbox"/> Published in local newspaper (attach copy of published CCR or proof of publication) | |
| <input type="checkbox"/> Posted in public places (attach list of locations or list here) _____ | |
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CERTIFICATION

I hereby certify that the Consumer Confidence Report (CCR) has been prepared and distributed to its customers in accordance with the appropriate distribution method(s) based on population served. Furthermore, I certify that the information contained in the report is correct and consistent with the water quality monitoring data for sampling performed and fulfills all CCR requirements of the Code of Federal Regulations (CFR) Title 40, Part 141.151 - 155.

Matthe Hughes
Name

Manager
Title

4-29-22
Date

SUBMISSION OPTIONS (Select one method ONLY)

You must email or mail a copy of the CCR, Certification, and associated proof of delivery method(s) to the MSDH, Bureau of Public Water Supply.

Mail: (U.S. Postal Service)
MSDH, Bureau of Public Water Supply
P.O. Box 1700
Jackson, MS 39215

Email: water.reports@msdh.ms.gov

2021 Annual Drinking Water Quality Report
 East Madison Water Association, Inc.
 PWS ID#: 0450007
 April 2022

RECEIVED
 MSDH-WATER SUPPLY
 2022 APR 22 PM 8:50

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. Our water source is from wells drawing from the Meridian Upper Wilcox and Cockfield Formation 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 East Madison Water Association have received lower susceptibility rankings to contamination.

If you have any questions about this report or concerning your water utility, please contact Mattie Hughes at 601.859.2810. 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 Tuesday of the month at 6:00 PM at 1360 E. Peace Street in Canton.

We routinely monitor for contaminants in your drinking water according to Federal and State laws. This table below lists all of the drinking water contaminants that were detected during the period of January 1st to December 31st, 2021. In cases where monitoring wasn't required in 2021, the table reflects the most recent results. 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.

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

Action Level - the concentration of a contaminant which, if exceeded, triggers treatment or other requirements which 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 million (ppm) or Milligrams per liter (mg/l) - one part per million corresponds to one minute in two years or a single penny in \$10,000.

Parts per billion (ppb) or Micrograms per liter - one part per billion corresponds to one minute in 2,000 years, or a single penny in \$10,000,000.

| 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 |
| Inorganic Contaminants | | | | | | | | |
| 8. Arsenic | N | 2020* | 1.2 | .8 – 1.2 | ppb | n/a | 10 | Erosion of natural deposits; runoff from orchards; runoff from glass and electronics production wastes |
| 10. Barium | N | 2020* | .0186 | .0081 - .0186 | ppm | 2 | 2 | Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits |
| 13. Chromium | N | 2020* | 3.3 | 1.7 – 3.3 | ppb | 100 | 100 | Discharge from steel and pulp mills; erosion of natural deposits |

| | | | | | | | | |
|-------------------------------------|---|---------|--------|----------------|------|-----|----------|---|
| 14. Copper | N | 2019/21 | .2 | 0 | ppm | 1.3 | AL=1.3 | Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives |
| 16. Fluoride** | N | 2020* | .513 | .14 - .513 | ppm | 4 | 4 | Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories |
| 17. Lead | N | 2019/21 | 1 | 0 | ppb | 0 | AL=15 | Corrosion of household plumbing systems, erosion of natural deposits |
| Sodium | N | 2019* | 170000 | 83000 - 170000 | PPB | 0 | 0 | Road Salt, Water Treatment Chemicals, Water Softeners and Sewage Effluents. |
| Disinfection By-Products | | | | | | | | |
| 81. HAA5 | N | 2021 | 40 | 17 - 40 | ppb | 0 | 60 | By-Product of drinking water disinfection. |
| 82. TTHM [Total trihalomethanes] | N | 2021 | 71 | 46 - 71 | ppb | 0 | 80 | By-product of drinking water chlorination. |
| Chlorine | N | 2021 | 2 | .55 - 3.4 | mg/l | 0 | MDRL = 4 | Water additive used to control microbes |

* Most recent sample. No sample required for 2021.

** Fluoride level is routinely adjusted to the MS State Dept of Health's recommended level of 0.7 - 1.2 mg/l.

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.

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.

To comply with the "Regulation Governing Fluoridation of Community Water Supplies", the EAST MADISON WATER ASSN-WEST is required to report certain results pertaining to fluoridation of our water system. The number of months in the previous calendar year that average fluoride sample results were within the optimal range of 0.6-1.2 ppm was 12. The percentage of fluoride samples collected in the previous calendar year that was within the optimal range of 0.6-1.2 ppm was 88%.

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 East Madison Water Association, 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.


PROOF OF PUBLICATION

THE STATE OF MISSISSIPPI

MADISON COUNTY

PERSONALLY appeared before me, the undersigned notary public in and for Madison County, Mississippi, Michael Simmons, Associate Editor and Publisher of THE MADISON COUNTY JOURNAL, a weekly newspaper of general circulation in Madison County, Mississippi as defined and prescribed in Section 13-3-31, of the Mississippi Code of 1972, as amended, who, being duly sworn, states that the notice, a true copy of which is attached hereto was published in the issues of said newspaper as follows:

Date April 28, 2022
Vol. 41, No. 17
Date _____, 2022
Vol. _____, No. ____
Date _____, 2022
Vol. _____, No. ____
Date _____, 2022
Vol. _____, No. ____

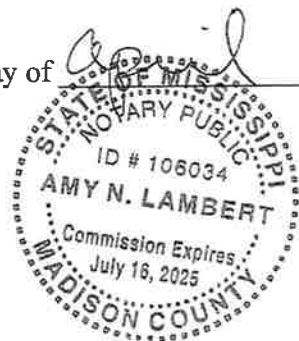
Signed: 

Associate Editor and Publisher

THE MADISON COUNTY JOURNAL

SWORN TO AND SUBSCRIBED before me the 28 day of April, 2022.


Notary Public



2021 Annual Drinking Water Quality Report
East Madison Water Association, Inc.
 PWS ID#: 0450507
 April 2022

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 overall 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. Our water source is from wells drawing from the American Upper Midwest and Coastal Plain aquifers.

The surface 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. It also provides detailed information on how the susceptibility determinations were made for each watershed to our public water system and is available for viewing upon request. The wells for the East Madison Water Association have retained lower susceptibility ratings to contamination.

If you have any questions about this report or concerning your water utility, please contact Marie Hughes at 601.855.2810. 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 Tuesday of the month at 6:00 PM at 1300 E. Peace Street in Canton.

We routinely monitor for contaminants in your drinking water according to Federal and State laws. The table below lists all of the drinking water contaminants that were detected during the period of January 1st to December 31st, 2021. In cases where monitoring wasn't required in 2021, the table reflects the most recent results. 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 processes of industry or from human activity. Natural contaminants, such as viruses and bacteria, that may come from sewage treatment plants, septic systems, agricultural fertilizers, operations, and wildlife, inorganic contaminants, such as salts and metals, which can be naturally occurring or result from urban stormwater runoff, industrial or domestic water use (leachates, oil and gas production, mining, or farming), pesticides and herbicides, which may come from a variety of sources such as agricultural, urban stormwater runoff, and residential uses; organic chemical contaminants, including synthetic and volatile organic compounds, which are by-products of industrial processes and petroleum production, and can also come from gas stations and auto shops; synthetic radioactive contaminants, which can be naturally occurring or be the result of oil and gas production and mining activities. In order to ensure that the water is safe to drink, EPA monitors substances that limit the amount of certain contaminants in water provided by public water systems. All drinking water, including bottled drinking water, may be occasionally subjected to certain 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.

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Parts per billion (ppb) or Micrograms per Liter (µg/L) - One part per billion corresponds to one minute in 2,000 years, or a single penny in \$10,000,000.

| TEST RESULTS | | | | | | | | |
|---------------------------------|-------|----------------|----------------|---|--------------|------|------|---|
| Contaminant | Units | Date Collected | Level Detected | Range of Detects (if 2 or More Samples) | Unit Maximum | MCLG | MCL | Likely Source of Contamination |
| Inorganic Contaminants | | | | | | | | |
| 8. Ammonia | mg/L | 2/23/21 | 1.2 | 0.8 - 1.2 | ppm | 0.5 | 1.0 | Effluent of natural deposits, runoff from animal husbandry from farms and municipal production wastes. |
| 12. Barium | mg/L | 3/22/21 | 2188 | 2081 - 2158 | ppm | 2 | 2 | Discharge of mining wastes, discharge from metal refineries, storage of natural deposits. |
| 13. Cadmium | mg/L | 2/23/21 | 0.3 | 1.7 - 5.3 | ppb | 0.01 | 0.01 | Discharge from steel and pulp mill effluent of natural deposits. |
| 14. Copper | mg/L | 3/21/21 | 0 | 0 | ppm | 1.3 | 1.3 | Corrosion of brass-based plumbing systems, erosion of natural deposits, leaching from wood preservatives. |
| 16. Fluoride | mg/L | 2/23/21 | 0.13 | 0.14 - 0.12 | ppm | 0 | 0 | Effluent of natural deposits, water additive which promotes strong teeth, discharge from fertilizer and aluminum factories. |
| 17. Lead | mg/L | 2/21/21 | 0 | 0 | ppb | 0 | 0.01 | Corrosion of brass-based plumbing systems, erosion of natural deposits. |
| 18. Selenium | mg/L | 2/23/21 | 170000 | 83000 - 170000 | ppm | 0 | 0 | Runoff from Agricultural Chemicals, Water Softening and Sewage Effluents. |
| Disinfection By-Products | | | | | | | | |
| 81. HAA5 (Total) | mg/L | 2/23/21 | 40 | 37 - 40 | ppb | 0 | 0 | By-product of drinking water disinfection. |
| 82. THM5 (Total) | mg/L | 2/23/21 | 31 | 28 - 31 | ppb | 0 | 0 | By-product of drinking water disinfection. |
| 83. Haloacetic Acids (HAA3) | mg/L | 2/23/21 | 2 | 1.55 - 2.8 | ppb | 0 | 0 | Water additive used to control microbes. |

* Unit values apply. No units required for 2021.
 ** Florida lead is currently adjusted to the NSF Safe Pipe of Health's recommended level of 0.01 mg/L.

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 comply with monitoring requirements, MWA's new monitoring system will begin monitoring samples prior to the end of the calendar period.

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 lead-based pipes 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/lead>. The keywords below Department of Health Public Health Laboratory often used testing. Please contact 601.676.7662 if you wish to have your water tested.

To comply with the "Regulation Governing Fluoridation of Community Water Supplies", the EAST MADISON WATER ASSOCIATION is required to report certain results pertaining to fluoridation of the water system. The number of months in the previous calendar year that average fluoride levels were within the "control range" of 0.6 to 1.0 ppm was 12. The percentage of fluoride samples collected in the previous calendar year that were within the "control range" of 0.6 to 1.0 ppm was 83%.

As sources of drinking water are subject to potential contamination by substances that are naturally occurring or man-made, these substances can be naturally occurring or organic chemicals and radioactive substances. While drinking water is considered "safe", it may occasionally be exposed to certain 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, persons with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk from infections. There are special programs and advice about drinking water for these vulnerable groups. EPA/CDC guidelines on appropriate means to lower the risk of infection by cryptosporidium and other parasitological contaminants are available from the Safe Drinking Water Hotline 1.800.426.4791.

The East Madison Water Association, Inc. works around the clock to provide top quality water to every tap. We ask that our customers help us protect our water sources, which are the heart of our community, our way of life and our children's future.