

**2025 Annual Drinking Water Quality Report**  
**Town of Florence**  
**PWS#: 0610009**  
**June 2026**

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.

The Town of Florence 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.

Please share this information with anyone who drinks this water (or their guardians), especially those who may not have received the report directly (for example, people in apartments, nursing homes, schools, and businesses).

### **About Our System**

The City of Florence works diligently to provide clean, safe & reliable drinking water to our customers throughout the year. Our Mayor and Board of Alderman have all completed the necessary training to better understand our water system and how it affects our customers. Our public works director ensures that our operators have the training, skills and equipment needed to perform their tasks to the high levels expected by our customers and the Mississippi State Department of Health. Every effort is taken to provide quality service to our customers. We use a text alert system to better communicate with our customers during times of service interruptions. The City of Florence has kept rate increases to the bare minimum with only a \$.22 cent increase per thousand gallons of water and sewer this past year. In the near future, we will be building a new well to better provide quality drinking water for our expanding community and we are currently in the process of updating our existing wells.

We are working with the Mississippi State Department of Health in regard to significant deficiencies for two of the wells. The planned updates and repairs include repairing the tank ladder, securing the dome ladder to the shell wall, installing a climb prevention device to prevent unauthorized access onto the tank, replace the existing safety climb ladder, repair the interior bowl ladder, replace the locks and vent screen, replace oval manway with a 20" round manway, replace a water level indicator, extend and add a flap to the overflow to the ground and fully sandblasting the wells and applying a new coating system to interior and exterior of the tank. These planned repairs will begin as soon as the bid process is completed with the contractors.

Please visit our website [cityofflorencems.com](http://cityofflorencems.com) for the latest approved minutes of our board meetings and, as always, I welcome your input. Citizens are invited to attend our board meetings at 6:30 pm on the 1<sup>st</sup> and 3<sup>rd</sup> Tuesday of each month at Florence City Hall, 203 College St., Florence, MS.

### **Contact & Meeting Information**

If you have any questions about this report or concerning your water utility, please contact Trey Gunn, Mayor at 601.845.1749. 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. They are held on the first & third Tuesdays of the month at 6:30 PM at the Florence City Hall located at 203 College Street, Florence, MS 39073.

### **Source of Water**

Our water source is from wells drawing from the Cockfield Formation & Sparta 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 Town of Florence have received lower to 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 1<sup>st</sup> to December 31<sup>st</sup>, 2025. In cases where monitoring wasn't required in 2025, 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.

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 addition to the contaminants listed in the tables, we tested for additional chemicals for which the state and EPA have set standards. We found no detectable levels of those chemicals.

During June, August & October 2025, we had one sample on our system that tested positive for total coliform. The resamples were clear and show we are meeting drinking water standards.

**Monitoring And Reporting Of Compliance Data Violations  
Significant Deficiencies**

During a sanitary survey conducted on 7/22/2025, the Mississippi State Department of Health cited the following significant deficiency(s): Inadequate internal cleaning/maintenance of storage tanks.

The system is scheduled to complete corrective actions by 12/22/2025 using a compliance plan or are within the initial 120 days minimum.

The City of Florence Public Water System submits the Compliance Action Plan in response to deficiencies identified by the Mississippi State Department of Health (MSDH) related to the condition and maintenance of the City's elevated water storage tanks. The City is committed to addressing all identified issues in a timely manner in accordance with MSDH requirements and applicable industry standards and guidelines. The Compliance Action Plan outlines corrective actions, implementation timelines, and commitment by the City of Florence to ensure sustained compliance and protection of public health. (4/16/26)

**Lead Educational Statement**

Lead can cause serious health problems, especially for pregnant women and your 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 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 our water system. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure are available at <https://www.epa.gov/safewater/lead>.

Our system has completed the Lead Service Line Inventory, and no lead lines were found. The methods used to make that determination were visual inspections, water operator knowledge and archived records. This inventory report is available for viewing at our office upon request.

**Boil Water Notice**

When our system issues a water related notice, it is displayed on the MSDH website. Go to <https://msdh.ms.gov/page/23,0,148.html> for more information about current notices.

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.

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
<b>Microbiological Contaminants</b> – Viruses and bacteria, which may come from sewage treatment plants, septic systems, agricultural livestock operations and wildlife.								
1. Total Coliform Bacteria	N	June August October	Positive	1 1 1	NA	0	presence of coliform bacteria in 5% of monthly samples	Naturally present in the environment
<b>Inorganic Contaminants</b> – Salts and metals which can occur naturally in the soil or groundwater or may result from urban stormwater runoff. Industrial or domestic wastewater discharges, oil and gas production, mining, or farming.								
8. Arsenic	N	2024*	.5	No Range	ppb	n/a	10	Erosion of natural deposits; runoff from orchards; runoff from glass and electronics production wastes
10. Barium	N	2024*	3.1	1.4 – 3.1	ppm	2	2	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
13. Chromium	N	2024*	4.7	.5 – 4.7	ppb	100	100	Discharge from steel and pulp mills; erosion of natural deposits
14. Copper	N	2023/25	.4	0	ppm	1.3	AL=1.3	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives

16. Fluoride	N	2024*	.377	.271 - .377	ppm	4	4	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories
17. Lead	N	2023/25	1	0	ppb	0	AL=15	Corrosion of household plumbing systems, erosion of natural deposits
Sodium	N	2023*	170	107 - 160	ppm	20		Road Salt, Water Treatment Chemicals, Water Softeners and Sewage Effluents.

**Disinfection By-Products** – Substances formed when disinfectants, like Chlorine, used to treat drinking water react with naturally occurring materials in the water.

81. HAA5	N	2025	21.9	No Range	ppb	0	60	By-Product of drinking water disinfection.
82. TTHM [Total trihalomethanes]	N	2025	55.3	No Range	ppb	0	80	By-product of drinking water chlorination.
Chlorine	N	2025	1.2 - RAA	0 – 3.8	mg/l	0	MRDL = 4	Water additive used to control microbes

\* Most recent sample. No sample required for 2025.

**Disinfection By-Products:**

Sodium. EPA recommends that drinking water sodium not exceed 20 milligrams per liter (mg/L). Excess sodium from salt in the diet increases the risk of high blood pressure and cardiovascular disease.

**Microbiological Contaminants:**

(1) Coliforms are bacteria that are naturally present in the environment and are used as an indicator that other, potentially harmful, waterborne pathogens may be present or that a potential pathway exists through which contamination may enter the drinking water distribution system. We found coliform indicating the need to look for potential problems in water treatment or distribution. When this occurs, we are required to conduct assessments (s) to identify problems and to correct any problems that were found during these assessments.

During February 2025, our system also tested for the Unregulated Contaminant Monitoring Rule #5 for polyfluoroalkyl substances, where no detectable levels were found. The following table shows that Lithium was detected.

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
<b>Unregulated Contaminants</b> – Contaminants 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.								
lithium	N	2025	13.2	9.84 – 13.3	ug/l	9		Naturally occurring metal that may concentrate in brine waters; lithium salts are used in electrochemical cells, batteries, and in organic syntheses.

**Terms and Abbreviations**

In the tables 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 (ug/L)**: 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.

**RAA**: Running Annual Average

**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 regulation is warranted. UCMR 5 specifies monitoring for 29 per- and polyfluoroalkyl substances (PFAS) and lithium.