

# Certification



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):  Town of Oakland	7-digit Public Water Supply ID #(s):  0810007
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**Distribution (Methods used to distribute CCR to our customers)**

<input type="checkbox"/> <b>I.</b> CCR directly delivered using one or more method below:	
<input type="checkbox"/> *Provided direct Web address to customer <input type="checkbox"/> Hand delivered <input type="checkbox"/> Mail paper copy <input type="checkbox"/> Email	*Add direct Web address (URL) here:  Example: "The current CCR is available at <a href="http://www.waterworld.org/ccrMay2023/0830001.pdf">www.waterworld.org/ccrMay2023/0830001.pdf</a> . call (000) 000-0000 for paper copy".
<input checked="" type="checkbox"/> <b>II.</b> Published the complete CCR in the local newspaper. Yes	Date(s) published:  06/29/2023
<input type="checkbox"/> <b>III.</b> 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:  06/29/2023  Location distributed: Town Hall
<input checked="" type="checkbox"/> <b>IV.</b> Post the complete CCR continuously at the local water office. <input type="checkbox"/> "Good Faith Effort" in other public buildings with the water system service area (i.e. City Hall, Public Library, etc.)	Date: 06/29/2023  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: 	Title: Mayor	Date: 06/29/2023
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**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)

2022 Annual Drinking Water Quality Report  
Town of Oakland  
PWS#: 0810007  
June 2023

RECEIVED  
MSDH-WATER SUPPLY  
2023 JUN 27 AM 10:32

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 James R. Swearengen at 662.623.8668. 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 first Tuesday of the month at 7:00 PM at the Town Hall located at 13863 Hickory Street, Oakland, MS 38948.

#### Source of Water

Our water source is from wells drawing from the Lower 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 Town of Oakland have received lower to moderate susceptibility rankings 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>, 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	Unit Measurement	MCLG	MCL	Likely Source of Contamination
<b>Inorganic Contaminants</b>								
8. Arsenic	N	2022	.8	No Range	ppb	n/a	10	Erosion of natural deposits; runoff from orchards; runoff from glass and electronics production wastes
10. Barium	N	2022	.0161	.0149 - .0161	ppm	2	2	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
14. Copper	N	2018/20*	.3	0	ppm	1.3	AL=1.3	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
16. Fluoride	N	2022	.234	.227- .234	ppm	4	4	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories
17. Lead	N	2018/20*	2	0	ppb	0	AL=15	Corrosion of household plumbing systems, erosion of natural deposits
21. Selenium	N	2022	4.2	No Range	ppb	50	50	Discharge from petroleum and metal refineries; erosion of natural deposits; discharge from mines
Sodium	N	2019*	170000	No Range	ppb	0	0	Road Salt, Water Treatment Chemicals, Water Softeners and Sewage Effluents.
<b>Disinfection By-Products</b>								
81. HAA5	N	2018*	5	No Range	ppb	0	60	By-Product of drinking water disinfection.
82. TTHM [Total trihalomethanes]	N	2021*	76.9	49.6 – 76.9	ppb	0	80	By-product of drinking water chlorination.
Chlorine	N	2022	1.2	.5 – 1.8	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

This public water system received a recordkeeping violation for not submitting the Annual Report by December 31, 2022. The report has since been completed and this system was returned as compliant.

### 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 Town of Oakland 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  
OF NOTICE

State of Mississippi  
Yalobusha County

Before me, MELODY SMITH, Notary Public of said County, this day came David Howell, who stated on oath that he is the Editor and Publisher of the **North Mississippi Herald**, a public newspaper publishing and having a general circulation in the City of Water Valley, said County and State, and made oath further that advertisement, of which a copy as printed is annexed, was published in said newspaper for 2 consecutive weeks in its issues numbered and dated as follows, to-wit:

- Vol. 133 No. 15 Dated the 29 of June 2023
- Vol. \_\_\_\_ No. \_\_\_\_ Dated the \_\_\_\_ of \_\_\_\_ 20\_\_
- Vol. \_\_\_\_ No. \_\_\_\_ Dated the \_\_\_\_ of \_\_\_\_ 20\_\_
- Vol. \_\_\_\_ No. \_\_\_\_ Dated the \_\_\_\_ of \_\_\_\_ 20\_\_
- Vol. \_\_\_\_ No. \_\_\_\_ Dated the \_\_\_\_ of \_\_\_\_ 20\_\_

Affiant further states that he has examined the foregoing 2 issues of said newspaper, that the attached Notice appeared in each of said 2 as aforesaid of said newspaper.

David Howell  
Editor and Publisher  
North Mississippi Herald

Sworn to and subscribed before me this the 29 day of June, 2023  
Water Valley, Yalobusha County, Mississippi.

Melody Smith  
Notary Public  
Panola County  
Commission Expires July 21, 2026  
Commission Number 325500

We're pleased to present to you this year's Annual Quality Water Report. This report is designed to inform and services we deliver to you every day. Our constant goal is to provide you with a safe and dependable water to understand the efforts we make to continually improve the water treatment process and procedures 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 James R. Swer. We want our valued customers to be informed about their water utility. If you want to learn more, please contact scheduled meetings. They are held on the first Tuesday of the month at 7:00 PM at the Town Hall located at Oakland, MS 38948.

Source of Water

Our water source is from wells drawing from the Lower Wilcox Aquifer. The source water assessment public water system to determine the overall susceptibility of its drinking water supply to identify potential contaminants. This report contains detailed information on how the susceptibility determinations were made has been reviewed and is available for viewing upon request. The wells for the Town of Oakland have received low rankings to contamination.

Period Covered by Report

We routinely monitor for contaminants in your drinking water according to federal and state laws. This report covers the monitoring period of January 1<sup>st</sup> to December 31<sup>st</sup>, 2022. In cases where monitoring wasn't required in 2022, 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 materials and can pick up substances or contaminants from the presence of animals or from human activities such as viruses and bacteria, that may come from sewage treatment plants, septic systems, agricultural runoff, industrial, or domestic wastewater discharges, oil and gas production, mining, or farming; pesticides and herbicides; inorganic contaminants, such as salts and metals, which can be naturally occurring or result from industrial, or domestic wastewater discharges, oil and gas production, mining, or farming; pesticides and herbicides; synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum production; radionuclides; and disinfection by-products. In order to ensure that tap water is safe to drink, EPA prescribes regulations for certain contaminants in water provided by public water systems. All drinking water, including bottled water, is expected to contain at least small amounts of some contaminants. It's important to remember that the presence of these substances 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 we've provided the following definitions:

**Action Level (AL):** The concentration of a contaminant which, if exceeded, triggers treatment or other actions that must be taken.

**Maximum Contaminant Level (MCL):** The "Maximum Allowed" (MCL) is the highest level of a contaminant 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. It is based on 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 to 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 water.

**Parts per million (ppm) or milligrams per liter (mg/l):** one part by weight of analyte to 1 million parts by weight of water.

TEST RESULTS

Contaminant	Violation Y/N	Date Collected	Level Detected	Range of Detects or # of Samples Exceeding MCL/ACL	Unit Measurement	MCLG	MCL	AL
<b>Inorganic Contaminants</b>								
6. Arsenic	N	2022	.9	No Range	ppb	n/a	10	E
10. Barium	N	2022	.0161	.0149 - .0161	ppm	2	2	D
14. Copper	N	2018/20*	.3	0	ppm	1.3	AL=1.3	C
16. Fluoride	N	2022	.234	.227- .234	ppm	4	4	E
17. Lead	N	2018/20*	2	0	ppb	0	AL=15	C
21. Selenium	N	2022	4.2	No Range	ppb	50	50	D
Sodium	N	2019*	170000	No Range	ppb	0	0	R
<b>Disinfection By-Products</b>								
B1. HAA5	N	2018*	5	No Range	ppb	0	60	B
B2. TTHM (Total trihalomethanes)	N	2021*	76.9	49.6 - 76.9	ppb	0	80	B
Chlorine	N	2022	1.2	.5 - 1.6	mg/l	0	MRDL = 4	V

\* Most recent sample. No sample required for 2022.

Vol. 138 No. 15 Dated the 29 of June 2023  
 Vol. \_\_\_ No. \_\_\_ Dated the \_\_\_ of \_\_\_ 20\_\_\_  
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Affiant further states that he has examined the foregoing 2 issues of said newspaper, that the attached Notice appeared in each of said 2 as aforesaid of said newspaper.

Dai N  
 Editor and Publisher  
 North Mississippi Herald

Sworn to and subscribed to by Dai N this the 29 day of June, 2023  
 Water Valley, Yalobusha County, Mississippi.



Melody R. Smith

**Action Level (AL):** The concentration of a contaminant which, if exceeded, triggers treatment or other requirements that must follow.  
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<b>Inorganic Contaminants</b>								
8. Arsenic	N	2022	.8	No Range	ppb	n/a	10	Erosion of natural deposits from orchards; runoff and electronics production
10. Barium	N	2022	.0161	.0149 - .0161	ppm	2	2	Discharge of drilling fluids; discharge from metal processing; erosion of natural deposits
14. Copper	N	2018/20*	.3	0	ppm	1.3	AL=1.3	Corrosion of household systems; erosion of road deposits; leaching from preservatives
16. Fluoride	N	2022	.234	.227 - .234	ppm	4	4	Erosion of natural deposits; discharge from aluminum factories
17. Lead	N	2018/20*	2	0	ppb	.0	AL=15	Corrosion of household systems; erosion of road deposits
21. Selenium	N	2022	4.2	No Range	ppb	50	50	Discharge from petroleum refineries; erosion of road deposits; discharge from chemical processing
Sodium	N	2019*	170000	No Range	ppb	0	0	Road Salt, Water Treatment Chemicals, Water Softening Effluents
<b>Disinfection By-Products</b>								
81. HAA5	N	2018*	5	No Range	ppb	0	60	By-Product of drinking water disinfection
82. TTHM (Total trihalomethanes)	N	2021*	76.9	49.6 - 78.9	ppb	0	80	By-product of drinking water disinfection
Chlorine	N	2022	1.2	.5 - 1.8	mg/l	0	MRDL = 4	Water additive used to disinfect

\* Most recent sample. No sample required for 2022.

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