

2024 Annual Drinking Water Quality

KWP Utility Company

PWS#: 0720026

June 2025

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 providing you with information because informed customers are our best allies. Our water source is from a well 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 Rena-Laura water association have received moderate rankings in terms of susceptibility to contamination.

If you have any questions about this report or concerning your water utility, please contact Thomas J. Robinson, Water Operator. We want our valued customers to be informed about their water utility.

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 thru December 31st, 2024. In cases where monitoring wasn't required in 2024, 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 amounts 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.

Level 1 Assessment (LVIA) - A study of a water system to identify potential problems and determine (if possible) why total coliform bacteria have been found in our water system

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								
Contaminate		YEAR	YOUR WATER	RANGE		VIOLATION	MC L	DESCRIPTION
Disinfection By Products								
Chlorine	N	2024	1.70	.34 – 2.0	mg/l	No	MRDL = 4	Water additive used to control microbes
TTHM		2023	2.29	N/A	Ppb	Yes		
HAA5		2023	1.65	N/A	ppb	Yes		

Inorganic Contaminants								
Antimony, Total	N	2022	<.0005	N/A	Ppm	N	.006	
Arsenic	N	2022	.0006	N/A	ppm	N	.010	
Barium	N	2022	.0068	N/A	Ppm	N	2	
Beryllium, Total	N	2022	.0041	N/A	Ppm	N	.004	
Cadmium	N	2022	<.0005	N/A	Ppm	N	.005	
Chromium	N	2022	<.0005	N/A	Ppm	N	.1	
Flouride	N	2022	.123	N/A	Ppm	N	4	
Mercury	N	2022	<.0002	N/A	Ppm	N	.0002	
Selenium	N	2022	<.0025	N/A	Ppm	N	.05	
Thallium, Total	N	2022	<.0005	N/A	Ppm	N		
Nitrate	N	2023	<.08	N/A	Ppm	N	10	

Nitrite	N	2023	<.02	N/A	Ppm	N	1	
Nitrate-Nitrite	N	2023	<.1	N/A	Ppm	N	10	
Sodium	N	2023	48	N/A	Ppm	Y	20	
Volatile Organic Compounds								
1,2,4 - Trichlorobenzene								
CIS 1,2 Dichloroethylene		2022	<0.5	N/A	Ppb	N	70	
Xylenes, Total		2022	<0.5	N/A	Ppb	N	10000	
Dichloromethane		2022	<0.5	N/A	Ppb	N	5	
O – Dichlorobenzene		2022	<0.5	N/A	Ppb	N	600	
P – Dichlorobenzene		2022	<0.5	N/A	Ppb	N	75	
Vinyl Chloride		2022	<0.5	N/A	Ppb	N	2	
1,1 – Dichloroethylene		2022	<0.5	N/A	Ppb	N	7	
Tran- 1,2 - Dichloroethylene		2022	<0.5	N/A	Ppb	N	100	
1,2 – Dichloroethane		2022	<0.5	N/A	Ppb	N	5	
1,1,1- Trichloroethane		2022	<0.5	N/A	Ppb	N	200	
Carbon Tetrachloride		2022	<0.5	N/A	Ppb	N	5	
1,2 – Dichloropropane		2022	<0.5	N/A	Ppb	N	5	
Trichloroethylene		2022	<0.5	N/A	Ppb	N	5	
1,1,2 – Trichloroethylene		2022	<0.5	N/A	Ppb	N	5	
Tetrachloroethylene		2022	<0.5	N/A	Ppb	N	5	
Chlorobenzene		2022	<0.5	N/A	Ppb	N	100	
Benzene		2022	<0.5	N/A	Ppb	N	5	
Toluene		2022	<0.5	N/A	Ppb	N	1000	
Ethylbenzene		2022	<0.5	N/A	Ppb	N	700	
Styrene		2022	<0.5	N/A	Ppb	N	100	

Lead and Copper								
Lead		2022		<.0005 - .001	Ppm	N	.015	
Copper		2022		.0048 - .0128	Ppm	N	1.3	
Lead 90 th Percentile				.001 mg/l	5 samples	N	.015	
Copper 90 th Percentile				0.0 mg/l	5 samples	N	1.3	

** Most recent sample. No sample required for 2024*

Below is a list of the violations the system received during the 2024 year.

VIOLATION	FACILITY	VIOLATION PERIOD / DATE	CONTAMINANT OR RULE
27 - MONITORING, ROUTINE (DBP), MAJOR	DS000	04/01/2024 - 06/30/2024	CHLORINE
3A - MONITORING, ROUTINE, MAJOR (RTCR)		05/01/2024 - 05/31/2024	E. COLI
3A - MONITORING, ROUTINE, MAJOR (RTCR)		07/01/2024 - 07/31/2024	E. COLI
27 - MONITORING, ROUTINE (DBP), MAJOR	DS000	07/01/2024 - 09/30/2024	CHLORINE
27 - MONITORING, ROUTINE (DBP), MAJOR	DS000	10/01/2024 - 12/31/2024	CHLORINE
2E - LSL INVENTORY-INITIAL		10/17/2024 - 11/04/2024	LEAD AND COPPER RULE REVISION
4G - LSL REPORTING-INITIAL		10/17/2024 - 11/04/2024	LEAD AND COPPER RULE REVISION
3A - MONITORING, ROUTINE, MAJOR (RTCR)		11/01/2024 - 11/30/2024	E. COLI

We are required to monitor your drinking water for specific contaminants on a regular basis. Results of regular monitoring are an indicator of whether or not our drinking water meets health standards. During 4/01/24 – 6/30/24, 7/01/24 – 9/30/24, and 10/01/24 – 12/21/24, we did not monitor or test for chlorine, and therefore, we cannot be sure of the quality during that time. Also, during May, July, and November of 2024 we did not monitor or test for bacteriological.

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

KWP Utility Company received violations for failure to prepare and report the Lead Service Line Inventory (LSLI) to the MS State Department of Health, Bureau of Public Supply, by October 16, 2024, as required by the Lead and Copper Rule Revisions. We submitted the Lead Service Line Inventory on November 4th, 2024. The Lead Service Line Inventory is available for you as a customer. If you would like to view a copy of the Lead Service Line Inventory please contact the water system to obtain a copy.

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.

All sources of drinking water are subject to potential contamination by substances that are naturally occurring, or manmade. 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 microbial contaminants are available from the Safe Drinking Water Hotline 1.800.426.4791.

KWP Utility Company 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.

