

2024 Annual Drinking Water Quality Report City of luka PWS ID #0710006

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. Local Water vigilantly safeguards its water supplies and once again we are very proud that our system has not violated a maximum contaminant level or any other water quality standard. This report shows the results for our monitoring for the period of January 1st to December 31st, 2024. We are committed to providing you with information because informed customers are our best allies.

About Our System

The City of luka Water System serves approximately 2,755 customers.

The City of luka will be updating the SCADA System to help control tank levels and more accurately monitor your water.

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 guidelines on appropriate means to lessen the risk of infection by Cryptosporidium and other microbiological contaminants are available from the Safe Drinking Water Hotline at 1-800-426-4791.

Where does my water come from?

Our water source consists of four (4) wells; three that draw from the Paleozoic Aquifer and one drawing from the Fort Payne Chert Aquifer.

Source water assessment and its availability:

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 at our office upon request. Listed below are the ratings for the wells of the City of luka.

- Well # 710006-01 – moderate rating on source water assessment
- Well # 710006-02 – higher rating on source water assessment
- Well # 710006-04 – moderate rating on source water assessment
- Well # 710006-05 – lower rating on source water assessment

Lead Service Line Inventory and its availability:

The City of luka 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.

Why are there contaminants in my drinking water?

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 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 (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?

Please join us for our monthly meetings. Our board meets monthly on the first Tuesday night of each month at 7:00 PM at City Hall at 118 S Pearl Street. We encourage all customers with concerns or questions to meet with us.

FOR MORE INFORMATION CONTACT:

City of Iuka Water Department
<i>ATTN: Brad Hollon, Public Works Director</i>
<i>118 S Pearl Street</i>
<i>Iuka, MS 38852</i>
<i>Phone: 662-423-3781</i>

Lead Educational Statement

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. The City of Iuka 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 The City of Iuka at 662-423-3781. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available at <http://www.epa.gov/safewater/lead>. The MS Public Health Laboratory (MPHL) can provide information on lead and copper testing and/or other laboratories certified to analyze lead and copper in drinking water. MPHL can be reached at 601-576-7582 (Jackson, MS).

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.

Monitoring and reporting of compliance data violations

As you can see by the table below, our system had no violations. We're proud that your drinking water meets or exceeds all Federal and State requirements. We have learned through our monitoring and testing that some contaminants have been detected however the EPA has determined that your water IS SAFE at these levels.

To comply with the "Regulation Governing Fluoridation of Community Water Supplies", CITY OF IUKA is required to report certain results pertaining to fluoridation of our water system. The number of months in the previous calendar year in which average fluoride sample results were within the optimal range of 0.6- 1.2 parts per million (ppm) was 0. The percentage of fluoride samples collected in the previous calendar year that was within the optimal range of 0.6-1.2 ppm was 0%. The number of months samples were collected and analyzed in the previous calendar year was 0.

Note: This system adds fluoride to your drinking water to help prevent and reduce cavities and improve overall oral health. Supply-chain issues have limited or prevented this water system's ability to obtain fluoride on a regular basis. The data presented above only reflects the months when this water system added fluoride to your drinking water.

The table below lists all the drinking water contaminants that we detected during the calendar year of this report. The presence of contaminants in the water does not necessarily indicate that the water poses a health risk. Unless otherwise noted, the data presented in this table is from testing done in the calendar year of the report. The EPA and the State requires us to monitor for certain contaminants less than once per year because the concentrations of these contaminants do not change frequently.

City of Iuka
PWS ID # 0710006

2024 WATER QUALITY DATA TABLE

Contaminants (units)	MCLG or MRDLG	MCL, TT, or MRDL	Your Water	Range		Sample Date	Violation	Typical Source
				Low	High			
Disinfectants & Disinfection By-Products								
Chlorine (ppm)	4	4	1.40	0.80	1.90	2024	No	Water additive used to control microbes
HAA5 {Haloacetic Acids} (ppb)	0	60	<1	N/A	N/A	2024	No	By Product of drinking water disinfection
TTHM{Total Trihalomethanes} (ppb)	0	80	<1	N/A	N/A	2024	No	By-Product of drinking water disinfection
Inorganic Contaminants								
Barium (ppm)	2	2	.0095	N/A	N/A	2022	No	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits
Chromium (ppm)	0.1	0.1	.0005	N/A	N/A	2022	No	Discharge from steel and pulp mills; Erosion of natural deposits.
Nitrate {measured as Nitrogen} (ppm)	10	10	0.149	N/A	N/A	2024	No	Runoff from fertilizer user; Leaching from septic tanks, sewage; Erosion of natural deposits
Nitrite {measured as Nitrogen} (ppm)	10	10	<0.02	N/A	N/A	2024	No	Runoff from fertilizer user; Leaching from septic tanks, sewage; Erosion of natural deposits
Nitrate-Nitrite {as Nitrogen} (ppm)	10	10	0.149	N/A	N/A	2024	No	Runoff from fertilizer user; Leaching from septic tanks, sewage; Erosion of natural deposits
Contaminants (units)	MCLG	AL	Your Water	# Samples Exceeding AL		Exceeds AL	Sample Date	Typical Source
Inorganic Contaminants (Lead and Copper)								
Copper (ppm)	1.3	1.3	0.4	0		No	2022	Corrosion of household plumbing systems; Erosion of natural deposits
Lead (ppb)	0	15	1	0		No	2022	Corrosion of household plumbing systems; Erosion of natural deposits
Contaminants (units)	MCLG or MRDLG	MCL, TT, or MRDL	Your Water	Range		Sample Date	Violation	Typical Source
				Low	High			
Unregulated Contaminants								
Sodium (ppm)	20	20	1.36	N/A	N/A	2023	No	Erosion from natural deposits; Likely source of contamination -Road salt, water treatment

								chemicals, water softeners, and sewage effluents
Lithium (ppm)	N/A	N/A	ND	N/A	N/A	2024	No	Naturally occurring element
11CI-PF3OUSdS	N/A	N/A	ND	N/A	N/A	2024	No	Per- and Polyfluoroalkyls substance manufactured from industry and consumer products. Commonly used in soil, fire extinguishing.
4:2 FTSs	N/A	N/A	ND	N/A	N/A	2024	No	Per- and Polyfluoroalkyls substance manufactured from industry and consumer products. Commonly used in soil, fire extinguishing.
6:2 FTS	N/A	N/A	ND	N/A	N/A	2024	No	Per- and Polyfluoroalkyls substance manufactured from industry and consumer products. Commonly used in soil, fire extinguishing.
8:2 FTS	N/A	N/A	ND	N/A	N/A	2024	No	Per- and Polyfluoroalkyls substance manufactured from industry and consumer products. Commonly used in soil, fire extinguishing.
9CI-PF3ONS	N/A	N/A	ND	N/A	N/A	2024	No	Per- and Polyfluoroalkyls substance manufactured from industry and consumer products. Commonly used in soil, fire extinguishing.
ADONA	N/A	N/A	ND	N/A	N/A	2024	No	Per- and Polyfluoroalkyls substance manufactured from industry and consumer products. Commonly used in soil, fire extinguishing.
HFPO-DA	N/A	N/A	ND	N/A	N/A	2024	No	Per- and Polyfluoroalkyls substance manufactured from industry and consumer products. Commonly used in soil, fire extinguishing.
NFDHA	N/A	N/A	ND	N/A	N/A	2024	No	Per- and Polyfluoroalkyls substance manufactured from industry and consumer products. Commonly used in soil, fire extinguishing.
PFBA	N/A	N/A	ND	N/A	N/A	2024	No	Per- and Polyfluoroalkyls substance manufactured from industry and consumer products. Commonly used in soil, fire extinguishing.
PFBS	N/A	N/A	ND	N/A	N/A	2024	No	Per- and Polyfluoroalkyls substance manufactured from industry and consumer products. Commonly used in soil, fire extinguishing.
PFDA	N/A	N/A	ND	N/A	N/A	2024	No	Per- and Polyfluoroalkyls substance manufactured from industry and consumer products. Commonly used in soil, fire extinguishing.
PFDoA	N/A	N/A	ND	N/A	N/A	2024	No	Per- and Polyfluoroalkyls substance manufactured from industry and consumer products. Commonly used in soil, fire extinguishing.
PFEESA	N/A	N/A	ND	N/A	N/A	2024	No	Per- and Polyfluoroalkyls substance manufactured from industry and consumer

								products. Commonly used in soil, fire extinguishing.
PFHpA	N/A	N/A	ND	N/A	N/A	2024	No	Per- and Polyfluoroalkyls substance manufactured from industry and consumer products. Commonly used in soil, fire extinguishing.
PFHpS	N/A	N/A	ND	N/A	N/A	2024	No	Per- and Polyfluoroalkyls substance manufactured from industry and consumer products. Commonly used in soil, fire extinguishing.
PFHxA	N/A	N/A	ND	N/A	N/A	2024	No	Per- and Polyfluoroalkyls substance manufactured from industry and consumer products. Commonly used in soil, fire extinguishing.
PFHxS	N/A	N/A	ND	N/A	N/A	2024	No	Per- and Polyfluoroalkyls substance manufactured from industry and consumer products. Commonly used in soil, fire extinguishing.
PFMBA	N/A	N/A	ND	N/A	N/A	2024	No	Per- and Polyfluoroalkyls substance manufactured from industry and consumer products. Commonly used in soil, fire extinguishing.
PFMPA	N/A	N/A	ND	N/A	N/A	2024	No	Per- and Polyfluoroalkyls substance manufactured from industry and consumer products. Commonly used in soil, fire extinguishing.
PFNA	N/A	N/A	ND	N/A	N/A	2024	No	Per- and Polyfluoroalkyls substance manufactured from industry and consumer products. Commonly used in soil, fire extinguishing.
PFOA	N/A	N/A	ND	N/A	N/A	2024	No	Per- and Polyfluoroalkyls substance manufactured from industry and consumer products. Commonly used in soil, fire extinguishing.
PFOS	N/A	N/A	ND	N/A	N/A	2024	No	Per- and Polyfluoroalkyls substance manufactured from industry and consumer products. Commonly used in soil, fire extinguishing.
PFPeA	N/A	N/A	ND	N/A	N/A	2024	No	Per- and Polyfluoroalkyls substance manufactured from industry and consumer products. Commonly used in soil, fire extinguishing.
PFPeS	N/A	N/A	ND	N/A	N/A	2024	No	Per- and Polyfluoroalkyls substance manufactured from industry and consumer products. Commonly used in soil, fire extinguishing.
PFUnA	N/A	N/A	ND	N/A	N/A	2024	No	Per- and Polyfluoroalkyls substance manufactured from industry and consumer products. Commonly used in soil, fire extinguishing.
NEtFOSAA	N/A	N/A	ND	N/A	N/A	2024	No	Per- and Polyfluoroalkyls substance manufactured from industry and consumer products. Commonly used in soil, fire extinguishing.

NMeFOSAA	N/A	N/A	ND	N/A	N/A	2024	No	Per- and Polyfluoroalkyls substance manufactured from industry and consumer products. Commonly used in soil, fire extinguishing.
PFTA	N/A	N/A	ND	N/A	N/A	2024	No	Per- and Polyfluoroalkyls substance manufactured from industry and consumer products. Commonly used in soil, fire extinguishing.
PFTTrDA	N/A	N/A	ND	N/A	N/A	2024	No	Per- and Polyfluoroalkyls substance manufactured from industry and consumer products. Commonly used in soil, fire extinguishing.

Important Drinking Water Definitions

MCLG - Maximum Contaminant Level Goal	The level of a contaminant in drinking water below which there is no know or expected risk to health. MCLGs allow for a margin of safety.
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.
AL - Action Level	The concentration of a contaminant which, if exceeded, triggers a treatment or other requirements which a water system must follow.
TT-Treatment Technique	A required process intended to reduce the level of a contaminant in drinking water.
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 - Maximum Residual Disinfection 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 - Monitored Not Regulated	
MPL - State Assigned Maximum Permissible Level	

Unit Descriptions

ppb - Parts per billion, or micrograms per liter (ug/l)	ppm - Parts per million, or milligrams per liter (mg/l)
pCi/L - Picocuries per liter (a measure of radioactivity)	NA - not applicable
ND - Not detected	NR - Monitoring not required, but recommended