

A large, dynamic splash of clear water is centered on a solid blue background. The splash is composed of many small droplets and larger, flowing sections of water, creating a sense of movement and freshness. The water is captured in mid-air, with some droplets appearing to be falling or rising from the main body of the splash.

# **2025 Annual Water Quality Report**

*NIXA PWS RDE*

**Public Water System ID Number: MO5048130**

# 2025 Annual Water Quality Report



## Our Water Comes From :

Source Name	Type
Wells: 12 & 13	Ground Water

The Department of Natural Resources conducted a source water assessment to determine the susceptibility of our water source to potential contaminants. This process involved the establishment of source water area delineations for each well or surface water intake and then a contaminant inventory was performed within those delineated areas to assess potential threats to each source. Assessment maps and summary information sheets are available on the internet at <https://drinkingwater.missouri.edu/>. The Missouri Source Water Protection and Assessment maps and information sheets provide a foundation upon which a more comprehensive source water protection plan can be developed.

# Substances That May Be Found in Drinking Water

Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of these 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 (800-426-4791).

## Microbial Contaminants

such as viruses and bacteria, which 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 byproducts of industrial processes and petroleum production, and can also come from gas stations, urban stormwater runoff, and septic systems.

## Radioactive Contaminants

which can be naturally occurring or be the result of oil and gas production and mining activities.

# 2025 Annual Water Quality Report

## Is Nixa Meeting All Regulations?

The Missouri Department of Natural Resources regulates our water system and requires us to test our water on a regular basis to ensure its safety. Our system has been assigned the identification number MO5048130 for the purposes of tracking our test results. Last year, we tested for a variety of contaminants.

The detectable results of these tests are on the following pages of this report.

Any violations of state requirements or standards will be further explained later in this report.



## How can I be actively involved?

If you would like to observe the decision-making process that affect drinking water quality or if you have any further questions about your drinking water report, please call us at 417-725-2353 to inquire about scheduled meetings or contact persons.



# 2025 Annual Water Quality Report

## Important Drinking Water Definitions

- **90th Percentile:** For Lead and Copper testing. 10% of test results are above this level and 90% are below this level.
- **AL:** Action Level, or the concentration of a contaminant which, when exceeded, triggers treatment or other requirements which a water system must follow.
- **HAA5:** Haloacetic Acids (mono-, di- and tri-chloroacetic acid, and mono- and dibromoacetic acid) as a group.
- **LRAA:** Locational Running Annual Average, or the locational average of sample analytical results for samples taken during the previous four calendar quarters.
- **MCLG:** Maximum Contaminant Level Goal, or 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.
- **MCL:** Maximum Contaminant Level, or 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.
- **nd:** not detectable at testing limits
- **NTU:** Nephelometric Turbidity Unit, used to measure cloudiness in drinking water
- **ppb:** parts per billion or micrograms per liter.
- **ppm:** parts per million or milligrams per liter.
- **Range of Results:** Shows the lowest and highest levels found during a testing period, if only one sample was taken, then this number equals the Highest Test Result or Highest Value.

# 2025 Annual Water Quality Report

## Important Drinking Water Definitions (continued)

- **RAA:** Running Annual Average, or the average of sample analytical results for samples taken during the previous four calendar quarters.
- **SMCL:** Secondary Maximum Contaminant Level, or the secondary standards that are non-enforceable guidelines for contaminants and may cause cosmetic effects (such as skin or tooth discoloration) or aesthetic effects (such as taste, odor or color) in drinking water. EPA recommends these standards but does not require water systems to comply
- **TT:** Treatment Technique, or a required process intended to reduce the level of a contaminant in drinking water.
- **TTHM:** Total Trihalomethanes (chloroform, bromodichloromethane, dibromochloromethane, and bromoform) as a group.

**Special Lead and Copper Notice:** 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. NIXA PWS RDE is responsible for providing high quality drinking water and removing water system owned and controlled 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 in the portion of the service line you own, 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. 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>.

# NIXA PWS RDE

Public Water System ID Number: MO5048130

## 2025 Annual Water Quality Report

(Consumer Confidence Report)

### Contaminants Report

This report is intended to provide you with important information about your drinking water and the efforts made to provide safe drinking water

Regulated Contaminants	Collection Date	Highest Test Result	Range of Sampled Results (low-high)	Unit	MCL	MCLG	Typical Source
Barium	9/15/25	0.0465	0.0457 - 0.0465	ppm	2	2	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits
Nitrate - Nitrite	9/15/25	1.479	1.455 - 1.479	ppm	10	10	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits
Tetrachloroethylene	4/29/25	1.41	1.19 - 1.41	ppb	5	0	Discharge from factories and dry cleaners

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# NIXA PWS RDE

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Lead and Copper	Date	90th Percentile: 90% of your water utility levels were less than	Range of Sampled Results (low - high)	Unit	AL	Sites over AL	Typical Source
COPPER	2022 - 2024	0.0934	0.0086 - 0.12	ppm	1.3	0	Corrosion of household plumbing systems
LEAD	2022 - 2024	1.64	0 - 2.09	ppb	15	0	Corrosion of household plumbing systems; Erosion of Natural Deposits

Radionuclides	Collection Date	Highest Value	Range of Sampled Result(s)	Unit	MCL	MCLG	Typical Source
Combined Radium (-226 & -228)	9/15/25	1.3	0 - 1.3	pCi/l	5	0	Erosion of natural deposits
Combined Uranium	9/15/25	1.02	0.96 - 1.02	µg/l	30		Erosion of natural deposits
Gross Alpha Particle Activity	10/14/25	5.7	3.5 - 5.7	pCi/l	15		Erosion of natural deposits
Gross Alpha, Excl, Radon & Uranium	10/14/25	4.7	0 - 4.7	pCi/l	15	0	Erosion of natural deposits
Radium-226	9/15/25	1.3	0 - 1.3	pCi/l	5	0	

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This report is intended to provide you with important information about your drinking water and the efforts made to provide safe drinking water

### Violations and Health Effects Information

During the 2025 calendar year, we had the below noted violation(s) of drinking water regulations.

Compliance Period	Analyte	Type
10/1/2024 - 4/10/2025	LEAD & COPPER RULE	LEAD CONSUMER NOTICE (LCR)

All contaminant sample results from past and present compliance monitoring are available online at the Missouri DNR Drinking Water Watch website at [www.dnr.mo.gov/DWWW/](http://www.dnr.mo.gov/DWWW/). To see the Lead and Copper results, enter your water system's name in the box titled Water System Name, then select Find Water Systems at the bottom of the page. On the next screen, click on the Water System Number. At the top of the next page, under the Help column, click on Other Chemical Results by Analyte. Scroll down to Lead and click the blue Analyte Code (1030). A Sample Collection Date range may need to be entered. The Lead and Copper locations will be displayed under the heading Sample Comments. Scroll to find your location and click on the Sample No. for results. If you assisted the water system in taking a Lead and Copper sample but cannot find your location on the list, please contact NIXA PWS RDE for your results.

A service line inventory was required to be prepared and can be requested from NIXA PWS RDE

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### Optional Monitoring (not required by EPA)

### Optional Contaminants

Secondary Contaminants	Collection Date	Your Water System Highest Sampled Result	Range of Sampled Result(s) (low - high)	Unit	SMCL
ALKALINITY, CaCO3 STABILITY	9/15/25	417	415 - 417	MG/L	
CALCIUM	9/15/25	58.2	57.1 - 58.2	MG/L	
CHLORIDE	9/15/25	10	9.88 - 10	MG/L	250
HARDNESS, CARBONATE	9/15/25	252	249 - 252	MG/L	
MAGNESIUM	9/15/25	25.9	25.8 - 25.9	MG/L	
NICKEL	9/15/25	0.00125	0.00122 - 0.00125	MG/L	0.1
PH	9/15/25	8.09	7.97 - 8.09	PH	8.5
POTASSIUM	9/15/25	1.98	1.83 - 1.98	MG/L	
SODIUM	9/15/25	5.57	5.53 - 5.57	MG/L	
SULFATE	9/15/25	8.22	7.99 - 8.22	MG/L	250
TDS	9/15/25	324	320 - 324	MG/L	500
ZINC	9/15/25	0.0326	0.0188 - 0.0326	MG/L	5

Secondary standards are non-enforceable guidelines for contaminants that may cause cosmetic effects (such as skin or tooth discoloration) or aesthetic effects (such as taste, odor or color) in drinking water. EPA recommends these standards but does not require water systems to comply.

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