City of Humphrey

TEST RESULTS

Date Printed: 3/11/2026

NE3114103

Microbiological	Highest Number of Positive Samples	MCL	MCLG	Likely Source of Contamination	Violations Present
No Detected Results were Found in the Calendar Year of 2025					

Lead and Copper	Monitoring Period	90th Percentile	Range	Unit	AL	Sites Over AL	Likely Source of Contamination
COPPER, FREE	2020 - 2022	0.169	0.0186 - 0.671	ppm	1.3	0	Erosion of natural deposits; Leaching from wood preservatives; Corrosion of household plumbing.
LEAD	2020 - 2022	0.686	0 - 1.36	ppb	15	0	Erosion of natural deposits; Leaching from wood preservatives; Corrosion of household plumbing.

Regulated Contaminants	Collection Date	Highest Value	Range	Unit	MCL	MCLG	Likely Source of Contamination
ARSENIC	3/18/2024	1.6	1.6	ppb	10	0	Erosion of natural deposits; runoff from orchards; runoff from glass and electronics production wastes.
BARIUM	1/27/2025	0.0312	0.0312	ppm	2	2	Discharge from drilling wastes; Discharge from metal refineries; Erosion of natural deposits.
FLUORIDE	1/27/2025	0.404	0.404	ppm	4	4	Erosion of natural deposits; water additive which promotes strong teeth; Fertilizer discharge.
NITRATE-NITRITE	8/27/2025	11.3	0.48 - 11.3	ppm	10	10	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits
SELENIUM	4/15/2025	62.6	2.53 - 62.6	ppb	50	50	Erosion of natural deposits
URANIUM MASS	12/22/2025	13.8	13.8	ug/L	30	0	Erosion of natural deposits

Radiological Contaminants	Collection Date	Highest Value	Range	Unit	MCL	MCLG	Likely Source of Contamination
COMBINED URANIUM	11/4/2025	12.5	12.5	pCi/l		0	Erosion of natural deposits
GROSS ALPHA, EXCL. RADON & U	11/4/2025	3.5	3.5	pCi/L	15	0	Erosion of natural deposits
GROSS ALPHA, INCL. RADON & U	4/23/2025	18.6	16 - 18.6	pCi/L	15	0	Erosion of natural deposits

Unregulated Water Quality Data	Collection Date	Highest Value	Range	Unit	Secondary MCL
SULFATE	8/12/2025	76	76	mg/L	250

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

Violation Type	Category	Analyte	Compliance Period
MCL, AVERAGE	MCL	SELENIUM	07/01/2025 - 09/30/2025
MCL, AVERAGE	MCL	NITRATE-NITRITE	07/01/2025 - 09/30/2025
MCL, AVERAGE	MCL	SELENIUM	10/01/2025 - 12/31/2025

The City of Humphrey has taken the following actions to return to compliance with the Nebraska Safe Drinking Water Act:

Additional Required Health Effects Language:

Infants below the age of six months who drink water containing nitrate in excess of the MCL could become seriously ill and, if untreated, may die. Symptoms include shortness of breath and blue baby syndrome.

Selenium is an essential nutrient. However, some people who drink water containing selenium in excess of the MCL over many years could experience hair or fingernail losses, numbness in fingers or toes, or problems with their circulation.

Certain minerals are radioactive and may emit a form of radiation known as alpha radiation. Some people who drink water containing alpha emitters in excess of the MCL over many years may have an increased risk of getting cancer.

There are no additional required health effects violation notices.

The City of Humphrey lead service line inventory has been prepared and can be accessed here: City of Humphrey.com