

TEST RESULTS

Microbiological COLIFORM (TCR)	Highest Number of Positive Samples	MCL	Treatment Technique Trigger	MCLG	Likely Source of Contamination	Violations Present	
Lead and Copper	Monitoring Period	90 th Percentile	Range	Unit	AL	Sites Over AL	Likely Source of Contamination
COPPER, FREE	2021 - 2023	1.18	0.0474 - 1.56	ppm	1.3	1	Erosion of natural deposits; Leaching from wood preservatives; Corrosion of household plumbing.
LEAD	2021 - 2023	0	0 - 1.3	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	9/19/2022	6.5	3.9 - 6.5	ppb	10	0	Erosion of natural deposits; runoff from orchards; runoff from glass and electronics production wastes.
BARIUM	7/18/2022	0.38	0.38	ppm	2	2	Discharge from drilling wastes; Discharge from metal refineries; Erosion of natural deposits.
CHROMIUM	7/18/2022	0.742	0.742	ppb	100	100	Discharge from steel and pulp mills; Erosion of natural deposits.
FLUORIDE	7/18/2022	0.239	0.239	ppm	4	4	Erosion of natural deposits; water additive which promotes strong teeth; Fertilizer discharge.
NITRATE-NITRITE	10/9/2024	8.26	1.62 - 8.26	ppm	10	10	Runoff from fertilizer use; Leaching from septic tanks; sewage; Erosion of natural deposits
Radiological Contaminants	Collection Date	Highest Value	Range	Unit	MCL	MCLG	Likely Source of Contamination
GROSS ALPHA, INCL. RADON & U	1/13/2021	3.29	3.29	pCi/L	15	0	Erosion of natural deposits

During the 2024 calendar year, we had the below noted violation(s) of drinking water regulations.

No Violations Occurred in the Calendar Year of 2024

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

Additional Required Health Effects Language:

While your drinking water meets EPA's standard for arsenic, it does contain low levels of arsenic. EPA's standard balances the current understanding of arsenic's possible health effects against the costs of removing arsenic from drinking water. EPA continues to research the health effects of low levels of arsenic which is a mineral known to cause cancer in humans at high concentrations and is linked to other health effects such as skin damage and circulatory problems. There are no additional required health effects violation notices.

During the past year, we were required to conduct one Level 1 assessment(s). We completed one Level 1 assessment(s). In addition, we were required to take one corrective action(s) and we completed one action(s).

During the past year, we were required to conduct one Level 2 assessment(s). We completed one Level 2 assessment(s). In addition, we were required to take one corrective action(s) and we completed one action(s).

Coliforms are bacteria that are naturally present in the environment and are used as an indicator that other, potentially harmful, waterborne pathogens may be present or that a potential pathway exists through which contamination may enter the drinking water distribution system. We found coliforms indicating the need to look for potential problems in water treatment or distribution. When this occurs, we are required to conduct assessment(s) to identify problems and to correct any problems that were found during these assessments.

The City of Deshler lead service line inventory has been prepared and can be accessed here: _____