

TEST RESULTS

Microbiological	Highest No. of Positive Samples	MCL	MCLG	Likely Source Of Contamination	Violations Present		
COLIFORM (TCR)	In the month of October, 1 sample(s) were positive	TT	N/A	Naturally present in the environment	No		
Lead and Copper	Monitoring Period	90 th Percentile	Range	Unit	AL	Sites Over AL	Likely Source Of Contamination
COPPER, FREE	2017 - 2019	1.45	0.0721 - 2.49	ppm	1.3	2	Erosion of natural deposits; Leaching from wood preservatives; Corrosion of household plumbing;
LEAD	2017 - 2019	1.19	0.54 - 4.6	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	6/20/2017	4.01	4.01	ppb	10	0	Erosion of natural deposits; runoff from orchards; runoff from glass and electronics production wastes;
BARIUM	1/26/2015	0.416	0.179 - 0.416	ppm	2	2	Discharge from drilling wastes; Discharge from metal refineries; Erosion of natural deposits;
CHROMIUM	1/26/2015	1.37	1.37	ppb	100	100	Discharge from steel and pulp mills; Erosion of natural deposits;
NITRATE-NITRITE	11/13/2018	10.9	7 - 10.9	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
COMBINED RADIUM (-226 & -228)	4/10/2018	1.526	1.526	pCi/L	5	0	Erosion of natural deposits
GROSS ALPHA, INCL. RADON & U	4/10/2018	3.32	3.32	pCi/L	15	0	Erosion of natural deposits
RADIUM-226	4/10/2018	0.685	0.685	pCi/L		0	Erosion of natural deposits.
RADIUM-228	4/10/2018	0.841	0.841	pCi/L		0	Erosion of natural deposits

Unregulated Water Quality Data	Collection Date	Highest Value	Range	Unit	Secondary MCL
NICKEL	2/8/2016	0.00199	0.00169 - 0.00199	mg/L	0.1
SULFATE	2/8/2016	22.1	21.1 - 22.1	mg/L	250

During the 2018 calendar year, we had the below noted violation(s) of drinking water regulations.
 No Violations Occurred in the Calendar Year of 2018

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

Additional Required Health Effects Language:

Copper is an essential nutrient, but some people who drink water containing copper in excess of the action level over a relatively short amount of time could experience gastrointestinal distress. Some people who drink water containing copper in excess of the action level over many years could suffer liver or kidney damage. People with Wilson's Disease should consult their personal doctor.

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.

Coliforms are bacteria that are naturally present in the environment and are used as an indicator that other potentially harmful bacteria may be present. Coliforms were found in more samples than allowed and this was a warning of potential problems.

There are no additional required health effects violation notices.