

TEST RESULTS

Microbiological		Highest No. of Positive Samples		MCL		MCLG		Likely Source Of Contamination		Violations Present	
No Detected Results were Found in the Calendar Year of 2020		Monitoring Period		90 <sup>th</sup> Percentile		Range		Unit		Sites Over AL	
Lead and Copper	2017 - 2019	0.156	0.864	ppm	1.3	0	Erosion of natural deposits; Leaching from wood preservatives; Corrosion of household plumbing.				
COPPER, FREE	2017 - 2019	0.817	0 - 0.851	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	11/17/2020	7.4	7.4	ppb	10	0	Erosion of natural deposits; runoff from orchards; runoff from glass and electronics production wastes.				
BARIUM	7/13/2020	0.233	0.233	ppm	2	2	Discharge from drilling wastes; Discharge from metal refineries; Erosion of natural deposits.				
CHROMIUM	7/13/2020	2.72	2.72	ppb	100	100	Discharge from steel and pulp mills; Erosion of natural deposits.				
FLUORIDE	7/13/2020	0.278	0.278	ppm	4	4	Erosion of natural deposits; water additive which promotes strong teeth; Fertilizer discharge.				
NITRATE-NITRITE	5/27/2020	7.51	1.61 - 7.51	ppm	10	10	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits.				
SELENIUM	7/13/2020	49.8	3.4 - 49.8	ppb	50	50	Erosion of natural deposits				
Radiological Contaminants		Collection Date	Highest Value	Range	Unit	MCL	MCLG	Likely Source Of Contamination			
GROSS ALPHA, INCL. RADON & U	4/16/2019	10.5	10.5	pCi/L	15	0	Erosion of natural deposits				
Unregulated Water Quality Data		Collection Date	Highest Value	Range	Unit	Secondary MCL					
SULFATE	8/6/2019	79.8	79.8	mg/L	250						
During the 2020 calendar year, we had the below noted violation(s) of drinking water regulations.											
Violation Type		Category		Analyte							
No Violations Occurred in the Calendar Year of 2020											
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:

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.