

Microbiological	Highest No. of Positive Samples	MCL	MCLG	Likely Source Of Contamination	Violations Present
COLIFORM (TCR)	In the month of December, 1 sample(s) were positive	Treatment Technique Trigger	0	Naturally present in the environment	No

Lead and Copper	Monitoring Period	90 <sup>th</sup> Percentile	Range	Unit	AL	Sites Over AL	Likely Source Of Contamination
COPPER, FREE	2015 - 2017	1.082	0.00489 - 1.43	ppm	1.3	1	Erosion of natural deposits; Leaching from wood preservatives; Corrosion of household plumbing.
LEAD	2015 - 2017	0.812	0.568 - 0.929	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	5/30/2018	7.06	6.34 - 7.06	ppb	10	0	Erosion of natural deposits; runoff from orchards; runoff from glass and electronics production wastes.
BARIUM	1/7/2019	0.146	0.146	ppm	2	2	Discharge from drilling wastes; Discharge from metal refineries; Erosion of natural deposits.
NITRATE-NITRITE	3/18/2019	1.16	0.575 - 1.16	ppm	10	10	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits

Unregulated Water Quality Data	Collection Date	Highest Value	Range	Unit	Secondary MCL
SULFATE	11/25/2019	13.1	13.1	mg/L	250

During the 2019 calendar year, we had the below noted violation(s) of drinking water regulations.

Type	Category	Analyte	Compliance Period
No Violations Occurred in the Calendar Year of 2019			

The Village Of Petersburg 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.

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.