

Microbiological	Highest No. of Positive Samples	MCL	MCLG	Likely Source Of Contamination	Violations Present
No Detected Results were Found in the Calendar Year of 2012					

Lead and Copper	Monitoring Period	90 th Percentile	Range	Unit	AL	Sites Over AL	Likely Source Of Contamination
COPPER, FREE	2008 - 2010	0.114	0.00867 - 0.117	ppm	1.3	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	05/22/2012	8.2	7.03 - 8.2	ppb	10	0	Erosion of natural deposits; runoff from orchards; runoff from glass and electronics production wastes.
BARIUM	02/09/2009	0.125	0.102 - 0.125	ppm	2	2	Discharge from drilling wastes; Discharge from metal refineries; Erosion of natural deposits.
CHROMIUM	02/09/2009	5.89	5.59 - 5.89	ppb	100	100	Discharge from steel and pulp mills; Erosion of natural deposits.
FLUORIDE	02/09/2009	0.74	0.62 - 0.74	ppm	4	4	Erosion of natural deposits; water additive which promotes strong teeth; Fertilizer discharge.
LASSO	02/27/2012	0.134	0.134	ppb	2	0	Runoff from herbicide used on row crops
NITRATE-NITRITE	02/15/2012	3.21	1.8 - 3.21	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)	08/08/2012	2.2	1.5 - 2.2	pCi/l	5	0	Erosion of natural deposits
GROSS ALPHA, INCL. RADON & U	10/29/2012	3.7	2.1 - 3.7	pCi/l	15	0	Erosion of natural deposits
RADIUM-226	08/08/2012	0.4	0.2 - 0.4	pCi/l	5	0	Erosion of natural deposits
RADIUM-228	04/09/2012	2	1.5 - 2	pCi/l	5	0	Erosion of natural deposits

Unregulated Water Quality Data	Collection Date	Highest Value	Range	Unit	Secondary MCL
NICKEL	01/19/2010	0.00153	0.00153	mg/l	0.1
SULFATE	01/19/2010	16	14 - 16	mg/l	250

During the 2012 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 2012			

The City Of Imperial 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.