



**TEST RESULTS - DISTRIBUTION SYSTEM**

**Inorganic Contaminants**

Contaminant/Date	Violation	Level Detected	Range	Unit Measurement	MCLG	MCL	Likely Source of Contamination
Lead 9/12	No	2.90	ND To 3	ppb	0	AL=15	Corrosion of Household Plumbing System; Erosion of Natural Deposits
Copper 9/12	No	.102	.0224 to .135	ppm	1.3	AL=1.3	Corrosion of Household Plumbing System; Erosion of Natural Deposits; Leaching from Wood Preservatives
Fluoride 2012	No	.45	.3 to .6	ppm	4	4	Erosion of Natural Deposits; Water Additive Which Promotes Strong Teeth

**Total Haloacetic Acids**

Contaminant/Date	Violation	Level Detected	Range	Unit Measurement	MCLG	MCL	Likely Source of Contamination
(HAA5) 9/13	No	7.00	7.00 to 7.00	ppb LRAA	NA	AL=60	By-product of Chlorinating Drinking Water

**Chlorine**

Contaminant/Date	Violation	Level Detected	Range	Unit Measurement	MCLG	MCL	Likely Source of Contamination
Chlorine Daily	No	3.0	1.5 to 3.3	ppm	MRDLG =4.0	MRDL =4.0	Water additive used to control microbes

Note: Test results are from most recent tests taken.

**Definitions:**

**MCLG** – Maximum Contaminant Level Goal, or the level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.

**MCL** – Maximum Contaminant Level, or the highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible using the best available treatment technology.

**MRDLG** – Maximum Residual Disinfectant Level Goal, or the level of a drinking water disinfectant below which there is no known or expected risk to health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contaminants.

**MRDL** – Maximum Residual Disinfectant Level, or the highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.

**ND** – No Detect

**ppb** – parts per billion

**ppm** – parts per million

**AL** – Action Level, or the concentration of a contaminant which, when exceeded, triggers treatment or other requirements which a water system must follow.

**NA** – Not Applicable

**LRAA** – Locational Running Annual Average

**PURCHASED WATER INFORMATION**

Our water system purchases water from the Cedar Rapids Water Department (PWSID: 5715093). Their water quality is as follows:

CONTAMINANT	MCL - (MCLG)	Compliance		Date	Violation	Source
		Type	Value & (Range)			
<b>5715093 - CEDAR RAPIDS WATER DEPARTMENT</b>						
<b>01 - BACK OPS TAP, J AVE PLANT</b>						
Fluoride (ppm)	4 (4)	SGL	0.22	09/10/2013	No	Water additive which promotes strong teeth; Erosion of natural deposits; Discharge from fertilizer and aluminum factories
Arsenic (ppb)	10 (0)	SGL	1.00	09/10/2013	No	Erosion of natural deposits; Runoff from orchards; Runoff from glass and electronic production wastes
Sodium (ppm)	N/A (N/A)	SGL	13	12/31/2013	No	Erosion of natural deposits; Added to water during treatment process
Nitrate [as N] (ppm)	10 (10)	SGL	6.540 (ND - 6.540)	2013	No	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits
Nitrite [as N] (ppm)	1 (1)	SGL	0.04 (ND - 0.04)	2013	No	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits
Turbidity (NTU)	N/A (N/A)	TT	.03 to .07	2013	No	Soil runoff
<b>02 - NW OPS TAP, NW PLANT</b>						
Fluoride (ppm)	4 (4)	SGL	0.22	09/10/2013	No	Water additive which promotes strong teeth; Erosion of natural deposits; Discharge from fertilizer and aluminum factories
Sodium (ppm)	N/A (N/A)	SGL	12	12/31/2013	No	Erosion of natural deposits; Added to water during treatment process
Nitrate [as N] (ppm)	10 (10)	SGL	7.450 (1.180 - 7.450)	2013	No	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits
Nitrite [as N] (ppm)	1 (1)	SGL	0.04 (ND - 0.04)	2013	No	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits
Turbidity (NTU)	N/A (N/A)	TT	.03 to .12	2013	No	Soil runoff