2018 WATER QUALITY REPORT FOR THORNTON WATER SUPPLY

This report contains important information regarding the water quality in our water system. The source of our water is groundwater. Our water quality testing shows the following results:

CONTAMINANT	MCL - (MCLG)	Compliance		Date	Violation	Source
		Type	Value & (Range)		Yes/No	
Lead (ppb)	AL=15 (0)	90th	2.00 (ND - 3)	2017	No	Corrosion of household plumbing systems; erosion of natural deposits
Copper (ppm)	AL=1.3 (1.3)	90th	0.15 (0.06 - 0.17)	2017	No	Corrosion of household plumbing systems; Erosion of natural deposits; Leaching from wood preservatives
950 - DISTRIBUTION SYSTEM						
Chlorine (ppm)	MRDL=4.0 (MRDLG=4.0)	RAA	1.8 (1.5 - 2)	12/31/2018	No	Water additive used to control microbes
01 - S/EP FOR WELL # 1 (1955) AFTER TREATMENT						
Combined Radium (pCi/L)	5 (0)	SGL	1.6	07/14/2014	No	Erosion of natural deposits
Fluoride (ppm)	4 (4)	SGL	1.958	09/14/2017	No	Water additive which promotes strong teeth; Erosion of natural deposits; Discharge from fertilizer and aluminum factories
Sodium (ppm)	N/A (N/A)	SGL	22.32	08/09/2016	No	Erosion of natural deposits; Added to water during treatment process
Nitrate [as N] (ppm)	10 (10)	SGL	0.127	2018	No	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits
02 - S/EP FOR WELL # 2 (1988) AFTER TREATMENT						
Combined Radium (pCi/L)	5 (0)	SGL	2	07/14/2014	No	Erosion of natural deposits
Fluoride (ppm)	4 (4)	SGL	1.84	09/14/2017	No	Water additive which promotes strong teeth; Erosion of natural deposits; Discharge from fertilizer and aluminum factories
Sodium (ppm)	N/A (N/A)	SGL	22.95	08/09/2016	No	Erosion of natural deposits; Added to water during treatment process
Nitrate [as N] (ppm)	10 (10)	SGL	0.119	2018	No	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits

Note: Contaminants with dates indicate results from the most recent testing done in accordance with regulations.

DEFINITIONS

- Maximum Contaminant Level (MCL) – 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.
- Maximum Contaminant Level Goal (MCLG) -- 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.
- ppb -- parts per billion.
- ppm -- parts per million.
- pCi/L – picocuries per liter