

2011 WATER QUALITY REPORT FOR Riceville I.A

This report contains important information regarding the water quality in our water system. The source of our water is [3]groundwater. Our groundwater is drawn from the [4]Devonian and Silurian aquifer(s).

Our water quality testing shows the following results:

CONTAMINANT	MCLG	MCL	DETECTED LEVEL	DATE SAMPLED	RANGE OF DETECTION	VIOLATION	SOURCE
Lead (ppb)	0	AL=15	4	9/30/2009	0-4	no	Corrosion of household plumbing systems; erosion of natural deposits
Copper (ppm)	1.3	AL=1.3	0.38	9/30/2009	0-0.54	no	Water additive used to control microbes
Alpha emitters (pCi/L)	0	15	3.05	5/6/2009	3.0-3.1	no	Erosion of natural deposits
Combined radium (pCi/L)	Well 1 well 2	5	1.1 2.2	5/5/2009	1.1-2.2	no	Erosion of natural deposits
Barium (ppm)	2	2	0.2	1/14/2003	0.12 -0.2	no	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits
Fluoride (ppm)	4	4	0.76	1/2003	0.62-0.76	no	Water additive which promotes strong teeth; Erosion of natural deposits; Discharge from fertilizer and aluminum factories
Nitrate [as N] (ppm)	10	10	<0.5	5/4/11	n.a	no	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits
TTHM (ppb) [Total trihalomethanes]	N/A	80	2.5	8/19/2010	n.a	no	By-products of drinking water disinfection
Sodium (ppm)	N/A	N/A	19.5	3/23/2009	19-20	no	Erosion of natural deposits; Added to water during treatment process
Haloacetic Acids (HAA5) (ppb)	N/A	60	<6	8/24/2010	n.a	no	By-products of drinking water disinfection
Chlorine (ppm)	MRDLG =4.0	MRDL=4.0	2.53	1/1/2011-12/31/2011	1.8-3.1	no	Water additive used to control microbes

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
- N/A – Not applicable
- ND -- Not detected
- RAA – Running Annual Average
- IDSE – Initial Distribution System Evaluation
- Treatment Technique (TT) – A required process intended to reduce the level of a contaminant in drinking water.
- Action Level (AL) – The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.