

Results of 2004 Water Quality Testing

Primary Drinking Water Standards: Levels established to prevent known health risks

Physical Parameters	Date	Result	MCL	MCLG	Source
Turbidity (NTU)	Daily	0.05-0.10	5.0	N/A	A measurement of suspended matter (silt) or the clarity of water. Excessive levels can cause problems with water disinfection.
Microbiological					
Total Coliform	72 tests	0	1 pos	0	Naturally preset in the environment
Radionuclides					
Gross Alpha Screen (pCi/L)	Mar-02	0.67	15	0	Erosion of natural deposits
Radium 226/228 (pCi/L)	May-02	0.42	5	0	Erosion of natural deposits
Radon Screen	Feb-03	1396	20,000	N/A	Erosion of natural deposits
Disinfection By-Products					
Total Trihalomethanes (ppb)	Mar-98	5.1	80	0	By-Product of chlorination
Inorganics Chemicals					
Barium (ppm)	Mar-02	0.006	2	2	Erosion of natural deposits
Copper (ppm) 90th percentile value	Sep-02	0.19	AL=1.3	AL=1.3	Corrosion of household plumbing fixtures
Lead (ppb) 90th percentile value	Sep-02	2	AL=15	AL=15	Corrosion of household plumbing fixtures
Fluoride (ppm)	Sep-02	0.57	4	4	Water additive to prevent tooth decay
Nitrate Nitrogen (ppm)	Apr-04	0.68	10	10	Run off from fertilizer use. Erosion of natural deposits. Leachate from septic tanks

Definitions

MCL: Maximum Contaminant Level: The highest level of a contaminant that is allowed in drinking water. MCL's are set as close to the MCLG's as feasible using the best available control technology.

MCLG: Maximum Contaminant Level Goal: 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.

AL: Action Level: The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow. 90% of sample results must be less than the action level to meet compliance.

NTU: Nephelometric Turbidity Unit: A measure of the amount of light scattered by suspended particles in a water sample.

pCi/L: picocuries per liter = a measure of radioactivity.

ppm or mg/l: parts per million = milligrams per liter

ppb or ug/l: parts per billion = micrograms per liter