

TEST RESULTS

CONTAMINANT	VIOLATION	LEVEL DETECTED	UNIT OF MEASUREMENT	MCLG	MCL	LIKELY SOURCE OF CONTAMINANT
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TURBIDITY—TESTED DAILY

TURBIDITY	N	*0.28 ntu 2009 HIGH	* N.T.U.	N / A	T.T.	Soil runoff; sediment from storage facilities
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RADIOACTIVE CONTAMINANTS – TESTED AUGUST 2000

BETA	N	0.64	pci/liter	0	50	Decay of natural and man made deposits
ALPHA EMITTERS	N	0.0	pci/liter	0	15	Erosion of natural deposits

INORGANIC CONTAMINANTS – TESTED NOVEMBER 2009 (Copper and Lead tested August 2009)

LEAD**	N	<3	ppb	0	15	Erosion of natural deposits
COPPER	N	230	ppb	1300	AL = 1300	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
BARIUM	N	13	ppb	2000	2000	Erosion of natural deposits
SODIUM	N	5	ppm	N/A	N/A	Erosion of natural deposits
SULFATE	N	6	ppm	N/A	4000	Erosion of natural deposits

MICROLOGICAL CONTAMINANTS – TESTED MONTHLY

Total Coliform Bacteria	N	3	Present or absent	0	5% of monthly samples positive	Naturally present in the environment
Fecal Coliform or E. coli	N	<1	Present or absent	0	A routine and a repeat sample are total coliform positive and one is also E. coli positive	Human and animal fecal waste

DISINFECTION BY-PRODUCTS – TESTED QUARTERLY (Chlorine Tested Monthly)

T.T.H.M. (Total Trihalomethanes)	N	40 (RAA) Range20-53	ppb	0	80	By-product of drinking water chlorination
HAA5 haloacetic acids	N	41 (RAA) Range 32-51	ppb	0	60	By-product of drinking water chlorination
CHLORINE	MRDL=4	Average 1.1 Range0.4-1.5	ppm	N/A	4.0	Water additive used to control microbes
CHLOROFORM	NOT REGU-	48	ppb	N/A	N/A	Is a component of T.T.H.M.
BROMODI-CHLOROMETHANE	NOT REGU-	5	ppb	N/A	N/A	Is a component of T.T.H.M.

DISINFECTION BY-PRODUCT PRECURSORS CONTAMINANTS – TESTED MONTHLY

Total Organic Carbon--Raw Water	N	<1.8(RAA) Range<1.0-2.7	ppm	N/A	TT	Naturally present in the environment
Total Organic Carbon—Finished Water	N	<1.1(RAA) Range<1.0-1.3	ppm	N/A	TT	Naturally present in the environment

We are proud that your drinking water meets or exceeds all Federal and State requirements.

MCL's are set at very stringent levels. To understand the possible health effects for regulated constituents, a person would have to drink 2 liters of water every day at the MCL for a lifetime to risk a one-in-a-million chance of having a health effect.

* The highest 2009 reading was 0.28 N.T.U. Turbidity is a measurement of the cloudiness of the water. We measure it because it is a good indicator of the effectiveness of our filtration. We are required to have 95% or more of the monthly samples measure below 0.3 ntu.

** If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. Woodfin Water District is responsible for providing high quality water, but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline or at <http://www.epa.gov/safewater/lead>.

KEY TO ABBREVIATION AND DEFINITION OF TERMS USED IN THE ADJACENT TABLE

MCL = Maximum Contaminant Level; the “maximum allowed” (MCL) is the highest level of a contaminant that is allowed in drinking water. MCL's are set as close to the MCLG as feasible by using the best treatment technology. **MCLG** = Maximum Contaminant Level Goal; the “goal” (MCLG) is the level of a contaminant in drinking water below which there is no known or expected risk to health. MCLG's allow for a margin of safety.

MRDL=Maximum Residual Disinfection Level
T.T.= Treatment Technique; a required process intended to reduce the level of a contaminant in drinking water.

N.T.U.= Nephelometric Turbidity Unit; a measurement of the clarity of water. Turbidity in excess of 5 N.T.U. is noticeable to the average person.

pCi/L = PicoCurries per Liter is a measurement of radioactivity in the water.

mrem/year = Millirems per Year is a measurement of radiation absorbed by the body.

ppm = Part per Million; one part per million corresponds to one minute in two years or one penny in \$10,000.

ppb = Part per Billion; one part per billion corresponds to one minute in 2,000 years or one penny in \$10,000,000.

AL = Action Level; the concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.

N / A = Not Applicable

RAA=Running Annual Average