

## 2001 Water Quality Report (published June 2002)

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We are pleased to present to you this year's Annual Water Quality Report. The table that follows shows the results of our monitoring for the period January 1, 2001 to December 31, 2001. This report is designed to inform you about the water quality and services we deliver to you every day. Our constant goal is to provide you with a safe and dependable supply of drinking water. We want you to understand the efforts we make to continually improve the water treatment process and protect our water resources. We are committed to ensuring the quality of your water and I'm pleased to report that our drinking water is safe and meets all federal and state requirements.

CONTAMINANT	V I O L A T I O N Y/N	L D E E V T E E L C T E D	RANGE OF DETECTED LEVELS	U N I T S	M C L G	MCL	LIKELY SOURCE OF CONTAMINATION	HEALTH EFFECTS
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### RADIOACTIVE CONTAMINANTS

<b>Alpha Emitters</b>	N	4.5	0 - 4.5	pCi/L	0	15	Erosion of natural deposits	Certain minerals are radioactive and may emit a form of radiation known as alpha radiation. Some people who drink water containing alpha emitters in excess of the MCL over many years may have an increased risk of getting cancer.
<b>Combined Radium</b>	N	2.7	0.7 - 2.7	pCi/L	0	5	Erosion of natural deposits	Some people who drink water containing radium 226 or 228 in excess of the MCL over many years may have an increased risk of getting cancer.

### INORGANIC CONTAMINANTS

<b>Barium</b>	N	0.6	0.008 - 0.6	ppm	2	2	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits	Some people who drink water containing barium in excess of the MCL over many years could experience an increase in their blood pressure.
<b>Copper</b>	N	0.548	0.001 - 0.548	ppm	1.3	AL= 1.3	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives	Copper is an essential nutrient, but some people who drink water containing copper in excess of the action level over a relatively short period of time could experience gastrointestinal distress. Some people who drink water containing copper in excess of the action level over many years could suffer liver or kidney damage. People with Wilson's Disease should consult their personal doctor.
<b>Fluoride</b>	N	1.74	0.15 - 1.74	ppm	4	4	Erosion of natural deposits; water additive which promotes strong teeth, discharge from fertilizer and aluminum factories	Some people who drink water containing fluoride in excess of the MCL over many years could get bone disease, including pain and tenderness of the bones. Children may get mottled teeth.
<b>Nitrate</b>	N	4.79	0.01 - 4.79	ppm	10	10	Runoff from fertilizer use, leaching from septic tanks, sewage;	Nitrate in drinking water levels above 10 ppm is a health risk for infants of less than six months of age. High nitrate

							erosion of natural deposits	levels in drinking water can cause blue baby syndrome. Nitrate levels may rise quickly for short periods of time because of rainfall or agricultural activity. If you are caring for an infant, you should ask advice from your health care provider.
<b>Sodium</b>	<b>N</b>	<b>104</b>	<b>39 - 104</b>	<b>ppm</b>	<b>50</b>	<b>RUL 50</b>	Naturally occurring in underground aquifers	For healthy individuals, the sodium intake from water is not important because a much greater intake of sodium takes place in the diet. However, sodium levels above the Recommended Upper Limit may of concern to individuals on sodium restricted diet.
<b>Sulfate</b>	<b>N</b>	<b>9.7</b>	<b>1.4 - 9.7</b>	<b>ppm</b>	<b>250</b>	<b>RUL 250</b>	Occurs naturally in waters as a result of leachings from gypsum and other common materials. Can also be a result of many different types of industrial waste	The Recommended Upper Limit for sulfate is based on salty taste and possible laxative effects to the drinking water.

## VOLATILE ORGANICS

<b>Acetone</b>	<b>N</b>	<b>8.83</b>	<b>1.3 - 8.83</b>	<b>ppb</b>			Acetone is a non-regulated compound. It shows up in our volatile organic tests due to a breakdown of the sample preservative in the lab. It is not in the water supply.	
<b>1,2,3 Trichloro - propane</b>	<b>N</b>	<b>0.087</b>	<b>0.055 - 0.087</b>	<b>ppb</b>		<b>AL 0.025 ppb</b>	Paint/varnish, remover solvent degreasing agent	Probable carcinogen