

## Test Results Show Tulsa's Water is Safe

**\* 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 MCLGs as feasible using the best available treatment technology.

**MCLG=Maximum Contaminant Level Goal:** The level of contaminant in drinking water below which there is no known or expected health risk.

**NTU=Nephelometric Turbidity Unit**

**TT=Treatment Technique:** A required process intended to reduce the level of a contaminant in drinking water.

**AL=Action Level:** The concentration of a contaminant which, if exceeded, triggers a treatment or other requirement which a water system must follow.

**mrem/yr=millirems per year** (a measure of radiation absorbed by the body)

**Turbidity** has no health effects. However, turbidity can interfere with disinfection and provide a medium for microbial growth.

\*\*Data collected November 2000. Frequency of monitoring requirements is in compliance with regulations.

\*\*\*Data collected July of 2003. Frequency of monitoring requirements is in compliance with regulations.

Regulated Contaminants	Average	Minimum	Maximum	Maximum Contaminant Level *(MCL)	*MGLG	Likely sources of contaminants
<b>Turbidity Level found</b>			<b>0.12</b>	<b>TT*=less than 0.3 NTU 95 percent of the time.</b>	<b>n/a</b>	<b>Soil runoff.</b>
<b>Lowest monthly % meeting regs</b>			<b>100%</b>			
Total Coliform Bacteria within distribution system			0%	Presence of coliform bacteria in more than 5 percent of monthly samples.	0	Naturally present in the environment.
<b>Atrazine**</b>	<b>0.155</b>	<b>0</b>	<b>0.31</b>	<b>3 parts per billion</b>	<b>3</b>	<b>Runoff from herbicide used on row crops.</b>
Chlorine	2.5	2.1	2.8	MRDL - 4.0 parts per million annual average	4	Water additive to control microbes.
<b>Chlorite</b>	<b>0.184</b>	<b>0.005</b>	<b>0.388</b>	<b>1 part per million</b>	<b>0.8</b>	<b>By-product of drinking water disinfection.</b>
Copper***	0.11ppm at the 90th percentile			AL* = 1.3 parts per million	1.3	Corrosion of household plumbing systems, erosion of natural deposits, leaching from wood preservatives.
<b>Fluoride</b>	<b>0.8</b>	<b>0.37</b>	<b>1.02</b>	<b>4 parts per million</b>	<b>2</b>	<b>Erosion of natural deposits, water additive which promotes strong teeth, discharge from fertilizer and aluminum factories.</b>
Gross Beta Radionuclides**	2.42	2.17	2.68	4 mrem/yr*	n/a	Decay of natural and man-made deposits.
<b>Gross Alpha Radionuclides</b>	<b>0.52</b>	<b>0.46</b>	<b>0.57</b>	<b>16 pCi/L</b>	<b>n/a</b>	<b>Erosion of natural deposits.</b>
Haloacetic Acids	21	0	61	60 parts per billion annual average	n/a	By-product of drinking water disinfection.
<b>Lead***</b>	<b>0 ppb at the 90th percentile</b>			<b>AL* = 15 parts per billion</b>	<b>0</b>	<b>Corrosion of household plumbing systems, erosion of natural deposits.</b>
Nitrate	0.4	0.25	0.48	10 parts per million	10	Runoff from fertilizer use, leaching from septic tank, sewage, erosion of natural deposits.
<b>Total Organic Carbon</b>	<b>1.6</b>	<b>0.7</b>	<b>3.2</b>	<b>TT*</b>	<b>n/a</b>	<b>Naturally found in the environment.</b>
Trihalomethanes	54	19	131	80 parts per billion annual average	n/a	By-product of drinking water disinfection.
Unregulated Contaminants	Average	Minimum	Maximum	Maximum Contaminant Level *(MCL)	*MGLG	Likely sources of contaminants
Sodium	16	6	25	Standard has not been established		Naturally occurring, urban stormwater runoff or discharge from sewage treatment plants.

Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the Environmental Protection Agency's Safe Drinking Water Hotline (800-426-4791).

The table shows that during 2004 constituents were found in amounts that were less than the levels that are cause for concern.

For complete details of the analysis, call Quality Assurance at 596-2511.