

Off Site LA County 2001

10/12/01

YEAR 2001 DRINKING WATER QUALITY REPORT
 DEPARTMENT OF PUBLIC UTILITIES
 COUNTY OF LOS ALAMOS, NEW MEXICO

Consumer Confidence Report: 2001 Drinking Water Quality Data

Detected Compounds	Units	SDWA MCL	SDWA MCLG	Range of Values Detected	System Average	Violation	Major Sources
<i>Inorganic Compounds</i>							
Arsenic	ppb	50	n/a	0.8 - 2.6	1.7	NO	Natural deposits
Chromium	ppb	100	100	5.5 - 6.7	5.9	NO	Natural deposits
Fluoride	ppm	4	4	0.29 - 0.40	0.33	NO	Natural deposits, Fluoridation by County
Nitrate & Nitrite	ppm	10	10	0.27 - 1.17	0.51	NO	Leaching from septic tanks, sewage; Natural deposits
Lead (residential taps)	ppb	15 ¹	0	< 5.0 - 12.0	over 90% less than detect limit of 5 ppb	NO	Corrosion of household plumbing
Copper (residential taps)	ppm	1.3 ¹	1.3	< 0.05 - 0.13	over 90% less than 0.09 ppm	NO	Corrosion of household plumbing
Hardness (as CaCO ₃)	grains/gal	-	-	1.69 - 5.58	3.4	NO	Natural deposits
<i>Organic Compounds</i>							
Total Trihalomethanes (TTHMs) ²	ppb	100	0	< 0.50 - 11.2	3.84	NO	By-product of drinking water chlorination
<i>Radionuclides</i>							
Alpha emitters	pCi/L	15	0	0.00 - 2.30	0.69	NO	Decay of natural deposits
Beta/positron emitters	pCi/L	50	0	1.40 - 4.70	2.77	NO	Decay of natural, man-made deposits
<i>Microbiology</i>							
Total Coliform ³	cfu per 100 mL	5%	0	max. monthly positive samples: 0 of 47 (0%) min. monthly positive samples: 0 of 45 (0%)	Total positive samples in 2001: 0 of 553	NO	Regrowth of soil bacteria in the distribution system piping

Notes:
¹ 2000 results. The Action Level for lead/copper is exceeded if 90% of homes tested have lead levels above 15 ppb and copper levels above 1.3 ppm. No lead/copper samples exceeded action levels.
² TTHM compliance is based on a running annual average. TTHM concentrations vary seasonally in our water.
³ The MCL for total coliforms is the presence of coliform bacteria in 5% or more of the monthly samples.

Key to Table

MCL = Maximum Contaminant Level
 MCLG = Maximum Contaminant Level Goal
 pCi/L = picocuries per liter (a measure of radioactivity)
 ppm = parts per million, or milligrams per liter
 ppb = parts per billion, or micrograms per liter
 cfu = colony forming units

How to Read the Table Above

Our water is tested to assure that it is safe and healthy. The results of tests performed in 2001 are presented in the table.
 The column marked *SDWA MCLG* shows the Maximum Contaminant Level Goal (MCLG). This is the level of a contaminant in drinking water below which there is no known or expected risk to health. MCLG allows for a margin of safety.

The column marked *SDWA MCL* is the Maximum Contaminant Level (MCL). This is the highest level of a contaminant allowed in drinking water. MCLs are set as close to the MCLGs as feasible using the best available treatment technology.

The column marked *Range of Values Detected* shows minimum to maximum results observed in our water in 2001.

Major Sources provides an explanation of typical or man-made origins of contaminant.

