

City of Alamogordo 2011 - Water Quality Report

Dear Customer:

This report has been prepared to inform our customers of the quality of their drinking water.

Este reporte incluye información importante sobre el agua para tomar. Si tiene preguntas o discusiones sobre este reporte en español, favor de llamar al TEL. 800-460-6565 para hablar con una persona bilingüe en español.

Last year as in years past, your tap water met all U.S. Environmental Protection Agency (EPA) and State of New Mexico drinking water health standards.

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk from infections. These people should seek advice from their health care providers. EPA/Centers for Disease Control (CDC) guidelines on appropriate means to lessen the risk of infection by *Cryptosporidium* and other microbial contaminants are available from the Safe Drinking Water Hotline (800-426-4791)

The City's water comes from several sources, including springs and stream diversions in the Fresnal and La Luz Canyon Systems, springs in the Alamo Canyon System, Bonito Lake and from wells located both northeast and south of the Alamogordo City Limits.

The Susceptibility Analysis of the Alamogordo Domestic water utility reveals that the utility is

well maintained and operated, and the sources of drinking water are generally protected from potential sources of contamination based on an evaluation of the available information. The susceptibility ranking of the entire water system is Moderate. A copy of the entire analysis may be downloaded at: www.ci.alamogordo.nm.us



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 (EPA) Safe Drinking Water Hotline (800-426-4791) the sources of drinking water (both tap and bottled water) includes rivers, lakes, streams, ponds, reservoirs, springs, and wells. As water travels over the surface of the land or through the ground, it dissolves naturally occurring minerals and, in some cases, radioactive material and can pick up substances resulting from the presence of animals or from human activity. Microbial contaminants such as viruses and bacteria that may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife. Inorganic

Contaminants, such as salts and metals, which can be naturally occurring or result from urban stormwater runoff, industrial, or domestic wastewater discharges, oil and gas production, mining, or farming. Pesticides and herbicides, which may come from a variety of sources such as agriculture, urban stormwater runoff, and residential uses. Organic chemical contaminants, including synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum production, and can also come from gas stations, urban stormwater runoff, and septic systems. Radioactive contaminants, which can be naturally occurring or be the result of oil and gas production and mining activities.

In order to insure that tap water is safe to drink, EPA prescribes regulations that limit the amount of certain contaminants in water provided by public water systems. Food and Drug Administration (FDA) regulations establish limits for contaminants in bottled water, which must provide the same protection for public health.

Public input concerning the City of Alamogordo water system may be made at regularly scheduled meetings, held at 7:30 PM on the 2nd and 4th Tuesday of each month at the City Hall located at 1376 E. Ninth Street. You may also contact Mr. Russell Still, Severn Trent Services, at (575) 437-5991 with any concerns or questions you may have.

Website: www.ci.alamogordo.nm.us



Water Quality Data Table

The table below lists all of the drinking water contaminants we detected that are applicable for the calendar year of this report. The presence of contaminants in the water does not necessarily indicate that the water poses a health risk. The EPA or the State requires us to monitor for certain contaminants less than once per year because the concentration of these contaminants are not expected to change.

Important Drinking Water Definitions and Abbreviations

ppm: parts per million, or milligrams per liter (mg/l) **ppb:** parts per billion, or micrograms per liter (ug/l)

N/A: not applicable **ND:** not detected

MCLG: Maximum Contaminant Level Goal: The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGø allow for a margin of safety. **MCL:** Maximum Contaminant Level: The highest level of a contaminant that is allowed in drinking water. MCLø are set as close to the MCLGø as feasible using the best available treatment technology. **AL:** Action Level: The concentration of a contaminant, which, if exceeded, triggers treatment or other requirements, which a water system must follow.

Contaminants	Sample Date	MCL	Your Water	Range Detected	MCLG	Violation	Typical Sources
<u>Disinfectants & Disinfection By-Products</u>							
Haloacetic Acids (HAA5) (ppb)	2011	60		2.3-24.7	N/A	No	By-Product of drinking water chlorination
TTHMø (Total Trihalomethanes) (ppb)	2011	80		7.6-58.0	N/A	No	By-product of drinking water disinfection
<u>Inorganic Contaminants</u>							
Chromium (ppm)	2011	0.1		0	0.1	No	Erosion of natural deposits
Flouride (ppm)	2011	4		0.14-0.36	4	No	Erosion of natural deposits
Nitrate (measured as nitrogen) (ppm)	2011	10		0 ó 3.2	10	No	Runoff from fertilizer use, leaching from septic tanks, erosion of natural deposits
Barium (ppm)	2011	2		0.019- 0.037	2	No	Erosion of natural deposits
Arsenic (ppm)	2011	0.01		0	0.010	No	Runoff from orchards, erosion of natural deposits
Total Uranium (ppm) 2006		0.030		0.0054 ó 0.0061		No	Erosion of natural deposits
Selenium (ppm)	2011	0.005		0.00 ó 0.0035	0.005	No	Discharge from mines, erosion of natural deposits
Nickel (ppm)	2011	0.1		0	0.001	No	Discharge from mines, erosion of natural deposits
Sodium (mg/l)	2011	NO MCL		91.0-170.0	1	No	Erosion of Natural Deposits

Any questions regarding this notice can be addressed with Brian Cesar Public Works Director City of Alamogordo 439-4241 or Russell Still Project Manager STES 42 Valley View Road La Luz NM 88337 437-5991.