

Alpine City Annual Drinking Water Quality Report 2006

We're very pleased to provide you with this year's Annual Water Quality Report. We want to keep you informed about the excellent water and services we have delivered to you over the past year. Our goal is and always has been, to provide to you a safe and dependable supply of drinking water. Our water comes from three wells and one spring that provide groundwater.

Alpine City has a Drinking Water Source Protection Plan that is available for review. It provides more information such as potential sources of contamination and our source protection areas. It has been determined we have a medium susceptibility level to potential sources of contamination, such as septic tanks, roads, and homes. If you have any questions regarding source protection, contact the office to review our source protection plan.

If you have any questions about this report or concerning your water utility, please contact Shane Sorensen (801) 763-9862. We want our valued customers to be informed about their water utility. If you want to learn more, please attend any of our regularly scheduled meetings. Water system related issues are dealt with at city council meetings held the second and fourth Tuesdays of each month at the Alpine City Hall at 7 p.m.

There are many connections to our water distribution system. When connections are properly installed and maintained, the concerns are very minimal. However, unapproved and improper piping changes or connections can adversely affect not only the availability, but also the quality, of the water. A cross connection may let polluted water or even chemicals mingle into the water supply system when not properly protected. This not only compromises the water quality but can also affect your health. So, what can we do? Do not make or allow improper connections at your homes. Even that unprotected garden hose lying in the puddle next to the driveway is a cross connection. The unprotected lawn sprinkler system after you have fertilized or sprayed is also a cross connection. When the cross connection is allowed to exist at your home it will affect you and your family first. If you'd like to learn more about helping to protect the quality of our water, call us for further information about ways you can help.

All sources of drinking water are subject to potential contamination by constituents that are naturally occurring or are man made. Those constituents can be microbes, organic or inorganic chemicals, or radioactive materials. All 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 the 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 at 1-800-426-4791.

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 about drinking water from their health care providers. EPA/CDC guidelines on appropriate means to lessen the risk of infection by cryptosporidium and other microbiological contaminants are available from the Safe Drinking Water Hotline (800-426-4791).

Detected Contaminant Table definitions:

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

Treatment Technique (TT) - A treatment technique is a required process intended to reduce the level of a contaminant in drinking water.

Maximum Contaminant Level (MCL) - The "Maximum Allowed" (MCL) is the highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible using the best available treatment technology.

Maximum Contaminant Level Goal (MCLG) - The “Goal”(MCLG) is the level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.

Water Quality Data Table

The table below lists all of the drinking water contaminants that we detected during the calendar year of this report. The presence of contaminants in the water does not necessarily indicate that the water poses a health risk. Unless otherwise noted, the data presented in this table is from testing done in the calendar year of the report. The EPA or the State requires us to monitor for certain contaminants less than once per year because the concentrations of these contaminants do not change frequently.

Radioactive Contaminants							
Contaminant (units)	MCLG	MCL	Your Water	Range	Sample Date	Violation	Typical Source
Alpha Emitters (pCi/L)	0	15	7	ND-7	2004	N	Erosion of natural deposits
Beta/Photon Emitters (pCi/L)	NA	NA	7	ND-7	2004	N	Erosion of natural deposits
Inorganic Contaminants							
Contaminant (units)	MCLG	MCL	Your Water	Range	Sample Date	Violation	Typical Source
Arsenic (ppt)	n/a	50000	900	ND-900	2004	N	Erosion of natural deposits; runoff from orchards; runoff from glass and electronics production wastes
Barium (ppm)	2000	2000	53	11-53	2006	N	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
Copper (90th percentile result)	1300	AL=1300	166		2005	N	Corrosion of household plumbing systems, erosion of natural deposits; leaching from wood preservatives
number of sites exceeding the AL			0		2002	N	
Fluoride (ppm)	4000	4000	300	200-300	2006	N	Water additive which promotes strong teeth; erosion of natural deposits; discharge from fertilizer and aluminum factories
Lead	0	AL=15	5		2005	N	Corrosion of household plumbing systems; erosion of natural deposits
number of sites exceeding the AL			0		2002	N	
Nitrate (ppb)	10000	10000	1800	200-1800	2005	N	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits
Selenium (ppt)	50000	50000	1500	700-1500	2006	N	Discharge from petroleum and metal refineries; erosion of natural deposits; discharge from mines.
Sodium	None set by EPA		35	4-35	2006	N	Erosion of natural deposits; discharge from refineries and factories; runoff from landfills.
Sulfate	500	500	64	12-64	2006	N	Erosion of natural deposits; discharge from refineries and factories; runoff from landfills, runoff from cropland
TDS (ppm)	1000	1000	451	164-451	2006	N	Erosion of natural deposits

Disinfection By-products							
Contaminant (units)	MCLG	MCL	Your Water	Range	Sample Date	Violation	
Group One							
TTHM [Total trihalomethanes]	0	100	5	5	2006	N	By-product of drinking water disinfection
Haloacetic Acids	NA	60	3	ND-3	2006	N	By-product of drinking water disinfection
Chloroform (ppb)	NA	NA	100	ND-100	2003	N	

Alpine City has chosen to publish this report in the local newspaper as the method of delivery to the residents. Copies of the report will not be mailed out to each resident, however you may call the Alpine City Hall at 756-6347 to request a copy of the report or you may view the report at www.alpinecity.org.