

# 2005 Consumer Confidence Report

Water System Name: Tahoe Valley School

Report Date: 6/20/06

*We test the drinking water quality for many constituents as required by State and Federal Regulations.  
This report shows the results of our monitoring for the period of January 1 - December 31, 2005*

**Este informe contiene información muy importante sobre su agua beber. Tradúzcalo ó hable con alguien que lo entienda bien.**

Type of water source(s) in use: Well

Name & location of source(s): Tahoe Valley School well  
943 Tahoe Island Dr.  
South Lake Tahoe, CA 96150

Drinking Water Source Assessment information: Provided by El Dorado County Environment Management Dept.

Time and place of regularly scheduled board meetings for public participation: 7:00pm 2<sup>nd</sup> & 4<sup>th</sup> Tue  
Each month at Lake Tahoe Unified School District's Office. Al Tahoe Blvd.

For more information, contact Tim Torpin Phone: (530)543-2219

## **TERMS USED IN THIS REPORT:**

**Maximum Contaminant Level (MCL):** The highest level of a contaminant that is allowed in drinking water. Primary MCLs are set as close to the PHGs (or MCLGs) as is economically and technologically feasible. Secondary MCLs are set to protect the odor, taste, and appearance of drinking water.

**Primary Drinking Water Standards (PDWS):** MCLs for contaminants that affect health along with their monitoring and reporting requirements, and water treatment requirements.

**Secondary Drinking Water Standards (SDWS):** MCLs for contaminants that affect taste, odor, or appearance of the drinking water. Contaminants with SDWSs do not affect the health at the MCL levels.

**ND:** not detectable at testing limit

**ppm:** parts per million or milligrams per liter (mg/L)

**ppb:** parts per billion or micrograms per liter (ug/L)

**ppt:** parts per trillion or nanograms per liter (ng/L)

**pCi/L:** picocuries per liter (a measure of radiation)

**Public Health Goal (PHG):** The level of a contaminant in drinking water below which there is no known or expected risk to health. PHGs are set by the California Environmental Protection Agency.

**Maximum Contaminant Level Goal (MCLG):** The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs are set by the U.S. Environmental Protection Agency (USEPA).

**Maximum Residual Disinfectant Level (MRDL):** The level of a disinfectant added for water treatment that may not be exceeded at the consumer's tap.

**Maximum Residual Disinfectant Level Goal (MRDLG):** The level of a disinfectant added for water treatment below which there is no known or expected risk to health. MRDLGs are set by the U.S. Environmental Protection Agency.

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

**Regulatory Action Level (AL):** The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.

**Variations and Exemptions:** Department permission to exceed an MCL or not comply with a treatment technique under certain conditions.

**The sources of drinking water** (both tap water and bottled water) include 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.

**Contaminants that may be present in source water include:**

- *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, that 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, that are byproducts 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 ensure that tap water is safe to drink**, USEPA and the state Department of Health Services (Department) prescribe regulations that limit the amount of certain contaminants in water provided by public water systems. Department regulations also establish limits for contaminants in bottled water that must provide the same protection for public health.

**Tables 1, 2, 3, 4, and 5 list all of the drinking water contaminants that were detected during the most recent sampling for the constituent.** The presence of these contaminants in the water does not necessarily indicate that the water poses a health risk. The Department requires us to monitor for certain contaminants less than once per year because the concentrations of these contaminants are not expected to vary significantly from year to year. Some of the data, though representative of the water quality, are more than one year old.

**TABLE 1 - SAMPLING RESULTS SHOWING THE DETECTION OF COLIFORM BACTERIA**

Microbiological Contaminants (to be completed only if there was a detection of bacteria)	Highest No. of detections	No. of months in violation	MCL	MCLG	Typical Source of Bacteria
Total Coliform Bacteria	(In a mo.) 0	0	More than 1 sample in a month with a detection	0	Naturally present in the environment
Fecal Coliform or <i>E. coli</i>	(In the year) 0	0	A routine sample and a repeat sample detect total coliform and either sample also detects fecal coliform or <i>E. coli</i>	0	Human and animal fecal waste

**TABLE 2 - SAMPLING RESULTS SHOWING THE DETECTION OF LEAD AND COPPER**

Lead and Copper (to be completed only if there was a detection of lead or copper in the last sample set)	No. of samples collected	90 <sup>th</sup> percentile level detected	No. Sites exceeding AL	AL	MCLG	Typical Source of Contaminant
Lead (ppb) 8/26/05	10	2.1	0	15	2	Internal corrosion of household water plumbing systems; discharges from industrial manufacturers; erosion of natural deposits.
Copper 8/26/05	10	0.41	0	1.3	0.17	Internal corrosion of household water plumbing systems; erosion of natural deposits; leaching from wood preservatives.

TABLE 3 - SAMPLING RESULTS FOR SODIUM AND HARDNESS

Chemical or Constituent (and reporting units)	Sample Date	Level Detected	Range of Detections	MCL	PHG (MCLG)	Typical Source of Contaminant
Sodium (ppm)	8/97	9.0		none	none	Generally found in ground and surface water
Hardness (ppm)	8/97	85		none	none	Generally found in ground and surface water

*\*Any violation of an MCL or AL is asterisked. Additional information regarding the violation is provided on the next page.*

TABLE 4 - DETECTION OF CONTAMINANTS WITH A PRIMARY DRINKING WATER STANDARD

Chemical or Constituent (and reporting units)	Sample Date	Level Detected	Range of Detections	MCL	PHG (MCLG)	Typical Source of Contaminant
Nitrates (ppm)	9/6/05	4.1	-	45	-	Erosion of natural deposits
Tetrachloroethylene	8/10/05	1.2	-	5	0.06	Discharge from factories, dry cleaners and auto shops. (metal degreaser)

TABLE 5 - DETECTION OF CONTAMINANTS WITH A SECONDARY DRINKING WATER STANDARD

Chemical or Constituent (and reporting units)	Sample Date	Level Detected	Range of Detections	MCL	PHG (MCLG)	Typical Source of Contaminant

TABLE 6 - DETECTION OF UNREGULATED CONTAMINANTS

Chemical or Constituent (and reporting units)	Sample Date	Level Detected	Action Level	Health Effects Language

\* Any violation of an MCL or AL is asterisked. Additional information regarding the violation is provided below.

### Additional General Information On Drinking Water

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 USEPA's Safe Drinking Water Hotline (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. USEPA/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 (1-800-426-4791).

**Summary Information for Contaminants Exceeding an MCL or AL, or a Violation of any Treatment or Monitoring and Reporting Requirements**

Tetrachloroethylene (PCE) Some people who use water containing Tetrachloroethylene in excess of the MCL over many years may experience liver problems, and may have an increased risk of getting cancer.

**For Systems Providing Surface Water As A Source Of Drinking Water:**

*(Refer to page 1, "Type of Water Source" to see if your source of water is surface water or groundwater)*

TABLE 7 - SAMPLING RESULTS SHOWING TREATMENT OF SURFACE WATER SOURCES	
<i>Treatment Technique</i> * (Type of approved filtration technology used)	
<i>Turbidity Performance Standards</i> ** (that must be met through the water treatment process)	<b>Turbidity of the filtered water must:</b> 1 - Be less than or equal to _____ NTU in 95% of measurements in a month. 2 - Not exceed _____ NTU for more than eight consecutive hours. 3 - Not exceed _____ NTU at any time.
Lowest monthly percentage of samples that met Turbidity Performance Standard No. 1.	
Highest single turbidity measurement during the year	
The number of violations of any surface water treatment requirements	

\* A required process intended to reduce the level of a contaminant in drinking water.

\*\* Turbidity (measured in NTU) is a measurement of the cloudiness of water and is a good indicator of water quality and filtration performance. Turbidity results which meet performance standards are considered to be in compliance with filtration requirements.

**Summary Information for Surface Water Treatment**

## Consumer Confidence Report Certification Form

(to be submitted with a copy of the CCR)

Water System Name: Tahoe Valley School\_\_\_\_\_

Water System Number: 0900648\_\_\_\_\_

The water system named above hereby certifies that its Consumer Confidence Report has been distributed to customers (and appropriate notices of availability have been given). Further, the system certifies that the information contained in the report is correct and consistent with the compliance monitoring data previously submitted to the Department of Health Services.

Certified by:        Name Jim DeMeola\_\_\_\_\_

                          Title Maintenance Supervisor\_\_\_\_\_

                          Phone Number ( 530 )543-2219        Date 6/20/06\_\_\_\_\_

CCR was distributed by mail or other direct delivery methods. Specify other direct delivery methods used: Flyer to parents.\_\_\_\_\_

*Water systems are not required to report the following information, but may do so by checking all items that apply:*

\_\_\_\_\_ "Good faith" efforts were used to reach non-bill paying consumers. Those efforts included the following methods:

Posted the CCR on the Internet at www.LTUSD.org\_\_\_\_\_

\_\_\_\_\_ Mailed the CCR to postal patrons within the service area (attach zip codes used)

\_\_\_\_\_ Advertised the availability of the CCR in news media (attach copy of press release)

\_\_\_\_\_ Publication of the CCR in a local newspaper of general circulation (attach a copy of the published notice, including name of newspaper and date published)

Posted the CCR in public places (attach a list of locations) Teachers workroom, community bulletin board.

\_\_\_\_\_ Delivery of multiple copies of CCR to single bill addresses serving several persons, such as apartments, businesses, and schools

\_\_\_\_\_ Delivery to community organizations (attach a list of organizations)

\_\_\_\_\_ [For systems serving at least 100,000 persons] Posted CCR on a publicly-accessible internet site at the following address: www.\_\_\_\_\_

\_\_\_\_\_ [For investor-owned utilities] Delivered the CCR to the California Public Utilities Commission

Please return this **PROOF-OF-DISTRIBUTION** to:

El Dorado County Environmental Management  
3368 Lake Tahoe Blvd., #303  
South Lake Tahoe, CA 96150  
Fax: 530.542.3364