

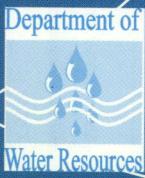
HORIZON HILLS

2001

WQCCR-00064

WATER

quality report



2001 WATER QUALITY REPORT

CONSTITUENTS	MAXIMUM CONTAMINANT LEVEL (mg/l)	HORIZON HILLS WELL	HORIZON HILLS SYSTEM AVERAGE	SIERRA PACIFIC / TMWA WATER
PRIMARY STANDARDS:				
Antimony	0.006	0.006	<0.001	<0.001
Arsenic	0.05	0.05	<0.003	<0.003
Asbestos (mf)	7	zero	NOT DETECTED IN DISTRIBUTION SYSTEM	
Barium	2	2	0.02	0.02
Beryllium	0.004	0.004	<0.001	<0.001
Cadmium	0.005	0.005	<0.001	<0.002
Chromium	0.1	0.1	<0.005	<0.005
Cyanide	0.2	0.2	<0.01	<0.005
Fluoride	4	4	0.1	0.2
Mercury	0.002	0.002	<0.0005	<0.0005
Nickel	0.1	0.1	<0.005	<0.005
Nitrate (as N)	10	10	0	<0.1
Nitrite (as N)	1	1	<0.01	<0.1
Selenium	0.05	0.05	<0.001	<0.01
Thallium	0.002	0.0005	<0.0005	<0.0005
SECONDARY STANDARDS:				
Chloride	400	250	2	4
Color	15	15	3	<5
Copper	1	1	0	<0.01
Fluoride	2	2	0.1	<0.1
Foaming Agents (MBAS)	0.5	0.5	<0.1	<0.05
Iron	0.6	0.3	1.5	0.1
Magnesium	150	125	28	28
Manganese	0.1	0.05	0.3	0.1
pH	6.5 to 8.5	6.5 to 8.5	7.5	7.5
Sulfate	500	250	180	180
Zinc	5	5	0	0.02
Total Dissolved Solids	1000	500	384	384
Lead	0.015	zero	<0.005	<0.005
Hardness	No Standard	No Standard	263	262
Calcium	No Standard	No Standard	59	59
Potassium	No Standard	No Standard	2	2
Sodium	No Standard	No Standard	24	24
Silica	No Standard	No Standard	34	34
 RADIOCHEMISTRY (pCi/l)				
Gross Alpha Emitters	15	0	<3	<3
Gross Beta/Photon Emitters	50	0	<3	<3
Radium	No Standard	0	515	515
 MICROBIOLOGY (Samples collected from throughout the system)				
Total Coliform	1 positive sample/month	Zero positive samples	Coliform was not detected	90TH PERCENTILE
Lead				<0.001
Copper				0.1

How To Read This Water Quality Chart

The far left column, titled Constituents, lists the naturally occurring and man-made inorganic contaminants that are monitored by the Washoe County Department of Water Resources, according to U.S. Environmental Protection Agency (EPA) standards. The Primary Inorganic Standards are monitored to ensure the water is safe to drink, and the Secondary Inorganic Standards are monitored to ensure the water is aesthetically pleasing.

The second column, titled Maximum Containment Level (MCL), is the highest level of a contaminant allowed in drinking water defined by the EPA. The third column, titled Maximum Contaminant Level Goal (MCLG), is the level of a contaminant in drinking water in which there is no known or expected risk to health defined by the EPA. MCLs are set as close to the MCLGs as feasible by the best available treatment technology.

The subsequent columns show what contaminant level, if any, was contained in the indicated water sources. In most cases, your water comes from a blending of these supplies, meaning a blend of water from various wells. The map lists all the sources supplying a specific water system.

If you are uncertain about any of the terminology used in the chart, please refer to the "Glossary of Terms" below.

Things to Know About Your H₂O

All drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants in drinking water does not necessarily indicate that the drinking water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the EPA's Safe Drinking Water Hotline (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 for infections. These people should seek advice about drinking water from their health care providers. EPA/CDC guidelines on the appropriate means to lessen the risk of infection by cryptosporidium are available from the Environmental Protection Agency's Safe Drinking Water Hotline (800-426-4791).

Water System Improvements

In the summer of 2001, the Washoe County Department of Water Resources will begin to supply Horizon Hills customers with water from the Sierra Pacific Power Company (SPPCo)/Truckee Meadows Water Authority (TMWA) via a newly constructed system intertie. This report summarizes water quality data for the existing Horizon Hills groundwater well and the SPPCo/TMWA distribution system.

Lead and Copper

The Washoe County Department of Water Resources has completed monitoring in compliance with the Lead and Copper Rule. According to the Lead and Copper Rule the 90th percentile lead and copper concentrations are not to exceed action levels of 0.015 mg/L for Lead and 1.3 mg/L for Copper. Please refer to the table for the most recent Lead and Copper results. If you would like more information regarding the Rule or would like to participate in future sampling please contact our office.

Glossary Of Terms

In this report you may find terms or abbreviations you may not be familiar with. To help you better understand these terms we have provided the following definitions:

ACTION LEVEL - the concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.

COLOR UNITS (CU) - is the standard unit of measure for water color.

MAXIMUM CONTAMINANT LEVEL (MCL) - 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.

MAXIMUM CONTAMINANT LEVEL GOAL (MCLG) - is the level of a contaminant in drinking water in which there is no known or expected risk to health. MCLGs allow for a margin of safety.

MILLIGRAMS PER LITER (mg/l) - one milligram per liter corresponds to one penny in \$10,000 (same as Parts Per Million or PPM)

MILLION FIBERS PER LITER (mf) - is a measure of the presence of asbestos fibers that are longer than 10 micrometers.

ND (NOT DETECTED) - laboratory analysis indicates that the constituent is not present.

PH - pH is a measure of acidity. A pH value of less than 7 is acidic, values greater than 7 are alkaline.

PICOCURIES PER LITER (pCi/l) - is a measure of water radioactivity.

THE SYMBOL "<" - means less than

HOW WE TEST THE WATER.

Washoe County monitors each well for volatile organic compounds (solvents) and synthetic organic compounds (pesticides and herbicides). Volatile and synthetic organic constituents have not been detected in any of the groundwater wells. If you would like a list of the regulated and unregulated organic compounds we monitor, please contact our office.

The Washoe County Department of Water Resources has initiated a comprehensive methyl tertiary butyl ether (MTBE) monitoring program. MTBE, a fuel additive, has not been detected in any of the Washoe County Department of Water Resources production wells.

The Environmental Protection Agency (EPA) has proposed to lower the Maximum Containment Level (MCL) for arsenic. The final MCL has not been decided, but is under review at this time.

This report provides water chemistry data for the period of July 1, 2000 to June 30, 2001.

The wells have been assessed for vulnerability to contamination. This source water assessment identifies the origins of contaminants within the service area and indicates the susceptibility of the water system to such contaminants. If you are aware of a potential source of contamination located near the wells, please contact our water quality section. Source water assessment information is available from our office upon request.

Washoe County Department of Water Resources telephone number: 954-4600

Horizon Hills

