

# Rancho Murieta Community Services District

## 2004 CONSUMER CONFIDENCE REPORT



*“The District’s water is of the highest quality”.*

*This year’s CCR concludes the District’s water exceeds the quality standards set by the State and Federal government.*

*No contaminants were identified in your water that exceeded State and Federal levels.*

### **District’s Mission Statement:**

*The mission of Rancho Murieta Community Services District is to take a leadership role in responding to the needs of the residents. The District will deliver superior community services efficiently and professionally at a reasonable cost while responding to and sustaining the enhanced quality of life the community desires.*

### **Annual Water Quality Report**

We are very pleased to provide you with this year’s Consumer Confidence Report. We want to keep you informed about the excellent water services we delivered to you in the year 2003. Our goal is, and always has been, to provide to you a safe and dependable supply of drinking water.

### **About Your Water Supply**

Our water source is the Cosumnes River. Because of its pristine nature, the Cosumnes River is considered low risk for many regulated contaminants, either man-induced or naturally occurring.

All water is treated at the District’s water treatment facilities below Lake Chesbro. The treatment process consists of coagulation, sedimentation, filtration through sand and coal filter beds and chlorination. Treated water is then stored in one of the above ground, enclosed steel tanks before distribution to you.

### **Source Water Assessment**

An assessment of the Cosumnes River as the community’s water source was completed in the Spring of 2001. The river is most vulnerable to historic mining operations. A copy of the assessment is available for public review at the District offices.

### **Important Information about the Consumer Confidence Report**

This Consumer Confidence Report (CCR) is a report that summarizes the testing of contaminants in drinking water. Every year, the District and other water providers are required to prepare and distribute a CCR to all water customers.

This CCR includes a comparison of the District’s water to water quality standards set by the California Department of Health Services (DOHS) and the US Environmental Protection Agency. The purpose of the report is to let you – our customer – know the quality of your water.

There are some changes in the 2003 report, most notably, a smaller water quality chart. In the past, it was necessary to list all of the 200-plus contaminants tested by the District. We *still* test for them on a regular basis. However, only those contaminants that meet a threshold level are required to appear on the new water quality chart.

### **Questions...??**

If you have questions about this report, please contact Joe Majarucon at (916) 354-3700. If you want to learn more about the District, visit our web site at [ranchomurietacsd.com](http://ranchomurietacsd.com) or attend our Board meetings, held at the District Office. *Este informe contiene informacion muy importante sobre su agua potable. Traduzcalo o hable con alguien que lo entienda bien.*

# WATER QUALITY ANALYSIS RESULTS

*As you can see, all results fall well below state and federal regulations for drinking water quality.*

We routinely monitor for contaminants in your drinking water according to Federal and State laws. The data represents the results of our monitoring for the period of January 1<sup>st</sup> to December 31<sup>st</sup>, 2003. All drinking water, including bottled drinking water, may be reasonably expected to contain at least small amounts of some

contaminants. It is important to remember that the presence of these contaminants does not necessarily pose a health risk.

The following table shows the actual test results of your drinking water after the treatment process and compares them with contaminant level limits and goals set by the EPA to ensure your tap water is safe.

Periodically, we test for more than 200 contaminants including pesticides, metals, bacteria and radioactive substances.

Below is a partial list of the required tests this year, intended to give you an idea of where we stand with regard to regulations.

The Department of Health Services 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. Complete reports are available at our District Office.

Additional references are on the California Department of Health Services Drinking Water Program website at [www.dhs.ca.gov/ps/ddwem](http://www.dhs.ca.gov/ps/ddwem).

## Water Quality Measurement Units

### Nephelometric Turbidity Units (NTU)

A measure of water's clarity. Turbidity in excess of 5 NTU is just noticeable to the average person.

### Parts per million (ppm)

A measurement of the concentration of a substance roughly equivalent to one drop in 42 gallons or one penny in \$10,000.

### Parts per billion (ppb)

A measurement of the concentration of a substance roughly equivalent to one drop in 14,000 gallons or one penny in \$10 million.

### Important Definitions

#### Action Level

The concentration of a contaminant, which, if exceeded, triggers treatment or other requirements that a water system must follow.

#### pCi/L (Pico curies per liter)

A measurement of radioactivity.

#### Maximum Contaminant Level (MCL)

The highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the public health goals and maximum contaminant level goals as feasible using the best available treatment technology. MCLs are enforceable standards.

#### Public Health Goals (PHG)

The level of a contaminant in drinking water below which there is no known or expected risk to health. Public health goals are set by the California Environmental Protection Agency.

#### Primary Drinking Water Standards

Primary maximum contaminant levels, specific treatment techniques adopted in lieu of primary MCLs and monitoring and reporting requirement for MCLs that are specified in regulation.

Constituent	Major Sources	Public Health Goal	MCL	District Results
Turbidity (See below *)	Suspended matter present in water that creates cloudiness.	None established	0.5 NTU	0.040 NTU (avg)
Bacteria-Coliform	A group of organisms found in warm-blooded animals that are indicators of possible water pollution.	Zero	5% of tests	Zero
Nitrate	Runoff and leaching from fertilizer use; leaching from septic tanks and sewage; erosion of natural deposits.	45 ppm	45 ppm	0.84 ppm
MTBE	Gasoline additive	0.013 ppm	0.013 ppm	None Detected

\* Turbidity additional reporting information:

- |   |       |
|---|-------|
| 1. Lowest monthly percentage of samples that met 0.5 NTU            | 100%  |
| 2. Highest single turbidity measurement during the year             | 0.190 |
| 3. Number of violations of any treatment or monitoring requirements | none  |

## AND WHAT YOU SHOULD KNOW ABOUT . . .

### CRYPTOSPORIDIUM AND GIARDIA

Since 1992, we have been monitoring for *Cryptosporidium* and *Giardia* – microscopic parasites that can be found in surface waters. To date, test results have consistently shown that no *Cryptosporidium* or *Giardia* have been in the treated water going into the distribution system. The organisms are found in feces of humans and animals and are transmitted through ingestion of contaminated food or drinking water, or through direct contact with the fecal matter of an infected person or animal. Persons with weakened immune systems, especially those who have HIV/AIDS, can be particularly at risk for infection. If you could be considered in this risk category, you may wish to consult with a physician about further protective measures. The EPA and the Center for Disease Control guidelines on appropriate means to lessen the risk of infection are available from the EPA's Safe Drinking Water Hotline at (800) 426-4791.