

Ramona Municipal Water District

Consumer Confidence Report (CCR)

This information is about your water supply and test results measured in 2004.

The purpose of this report is to inform and enhance consumer understanding about the quality of the drinking water provided by the Ramona Municipal Water District. Federal and State regulations require all United States public water suppliers produce an annual Consumer Confidence Report.

The quality of the water provided by the Ramona Municipal Water District meets all of the Primary and Secondary standards as set by the California Department of Health Services (CDHS) and the U.S. Environmental Protection Agency (USEPA).

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.

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

Contaminants that may be present in source water before it is treated 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**, that may come from a variety of sources such as agriculture, urban stormwater runoff, and residential uses.
- **Radioactive contaminants**, that can be naturally-occurring or be the result of oil and gas production and mining activities.
- **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, agricultural application, and septic systems.

RMWD obtained its water from the following source during 2004:

The San Diego County Water Authority (CWA) purchases water from the Metropolitan Water District of Southern California (MWD). This water is a blend of surface water from the Colorado River and runoff from the Northern California Sierra Nevada mountains. It is treated at the MWD Lake Skinner Filtration Plant before reaching San Diego County.

Source Water Assessment In December 2002, Metropolitan Water District of Southern California completed its source water assessment of its Colorado River and State Water Project supplies. Colorado River supplies are considered to be most vulnerable to recreation, urban/storm water runoff, increasing urbanization in the watershed and wastewater. State Water Project supplies are considered to be most vulnerable to urban/storm water runoff, wildlife, agriculture, recreation, and wastewater. A copy of the assessment can be obtained by contacting Metropolitan Water District by phone at (213) 217-6850.

In order to ensure that tap water is safe to drink, the USEPA and the California State Department of Health Services 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 provide the same protection for public health.

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).

The table on the back of this page lists all the drinking water contaminants that were detected during the 2004 calendar year, unless otherwise noted. The State requires monitoring 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, is more than one year old. The presence of these contaminants in the water does not necessarily indicate that the water poses a health risk.

Ramona Municipal Water District

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Board of Directors

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Board meetings are open to the public and are held on the second and fourth Tuesday of the month, 7:30 PM, at the Ramona Community Center, 434 Aqua Lane.

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

RMWD Water Quality Data Table

Terms & abbreviations used in the following table:

CFU/ml: Colony-Forming Units per milliliter.

Clarity or Turbidity of the filtered water shall be less than or equal to 0.3 NTU in 95% of the measurements taken each month and shall not exceed 1.0 at any time. Turbidity is a measure of the cloudiness of the water and is a good indicator of water quality and filtration performance.

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.

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 disinfectant added for water treatment that may not be exceeded at the consumer tap. The District Chlorine MRDL = 4 ppm.

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. MRDLs are set by the USEPA.

Not Applicable (NA): Not Detectable at Testing Limit (ND); Not Collected (NC); Parts Per Billion (ppb) or micrograms per liter.

NTU: Nephelometric Turbidity Units

Parts per Billion (ppb): Parts per billion or micrograms per liter (µg/L).

Parts per Million (ppm): Parts per million or milligrams per liter; Picocuries per liter (pCi/l): a measure of radiation.

Parts per Trillion (ppt): Parts per trillion or nanograms per liter. (ng/L)

pCi/L: picoCuries per liter.

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

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.

SI: Saturation Index (Langelier)

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

µS/cm: microSiemen per centimeter

PRIMARY DRINKING WATER STANDARDS with Detected Chemicals & Constituents				
CONTAMINANT (UNIT)	STATE	PHG	CWA	CWA
Clarity	MCL	(MCLG)	Water	Range
Turbidity (NTU)	TT = 1	NA	0.09 = Highest	
TT=% of samples < 0.3 NTU	0.3 - 95%		100% < 0.3	
Typical source of Contaminant	Soil runoff.			
Microbiological				
Total Coliform Bacteria	<5% per month	0	0%	0-0.0%
Typical source of Contaminant	Naturally present in the environment.			
Radiologicals (pCi/L)				
			Year 2004	Data
Gross Beta Particle Activity	50	NA	ND	ND-4.1
Typical source of Contaminant	Decay of natural and man-made deposits.			
Gross Alpha Particle Activity	15	NA	3.4	ND-4.0
Typical source of Contaminant	Erosion of natural deposits.			
Uranium	20	0.5	ND	ND-2.34
Typical source of Contaminant	Erosion of natural deposits.			
Inorganic Chemicals				
Fluoride (ppm)	2	1	0.24	0.21-0.30
Typical source of Contaminant	These levels are naturally occurring in the water but Fluoride is not currently added to your water. Erosion of natural deposits; water additive that promotes strong teeth; discharge from fertilizer and aluminum factories.			
Nitrate (as N) (ppm)	10	10	ND	ND-.054
Typical source of Contaminant	Runoff and leaching from fertilizer use; sewage; natural erosion.			
Nitrate and Nitrite (as N) (ppm)	10	10	ND	ND-0.54
Typical source of Contaminant	Runoff and leaching from fertilizer use; sewage; natural erosion.			
Disinfection Byproducts, Residuals				
Total Trihalomethanes (TTHM) (ppb)	80	NA	The MCL is based upon a system-wide running annual average.	
Typical source of Contaminant	The TTHM range was 31 to 70 and the system-wide running annual average was 53. By-product of drinking water chlorination.			
Haloacetic acids (five) (HAA5) (ppb)	60	NA	The MCL is based upon a system-wide running annual average.	
Typical source of Contaminant	The HAA5 range was 13 to 383 and the system-wide running annual average was 21. By-product of drinking water chlorination.			
Total Chlorine Residual (ppm)	MRDL = 4	MRDLG = 4	Distribution system running annual average = 1.7-3.0.	
SECONDARY STANDARDS – AESTHETIC STANDARDS				
Chloride (ppm)	500	NA	85	80-92
Color (Units)	15	NA	2	1-3
Corrosivity (SI)	Non-corrosive	NA	.26	0.18-0.32
Odor Threshold (Units)	3	NA	1	1
Specific Conductance (µS/cm)	1600	NA	827	786-947
Sulfate (ppm)	500	NA	169	153-212
Total Dissolved Solids (TDS) (ppm)	1000	NA	492	466-574
Turbidity (NTU)	5	NA	.006	0.05-0.07
Unregulated Chemicals Requiring Monitoring				
Boron	NA	AL=1,000	140	130-140
Additional Parameters				
Alkalinity (ppm)	NA	NA	110	103-124
Calcium (ppm)	NA	NA	54	51-64
Hardness (ppm)	NA	NA	230	218-269
Magnesium (ppm)	NA	NA	23	22-26.5
N-Nitrosodimethylamine (NDMA) (ppt)	NA	AL=10		ND-2.3
PH (pH Units)	NA	NA	8.1	8.0-8.1
Potassium (ppm)	NA	NA	4.0	3.8-4.3
Sodium (ppm)	NA	NA	78	74-90
Total Organic Carbon (TOC) (ppm)	TT	NA	2.5	2.1-3.0
• Hardness in water refers to the dissolved minerals calcium and magnesium, which may cause mineral deposits. The harder the water, the more soap is required. One grain per gallon = 17 ppm. To get grains per gallon hardness value, divide the mg/l value by 17.				

The District has information available on additional chemicals that were tested for, but not detected.
For more information about your water quality, please call Alan Birket at (760) 788-2236.