

2008 Suncreek Ranch Annual Drinking Water Quality Report

Inorganic Contaminants

Year or Range	Contaminant	Average Level	Minimum Level	Maximum Level	MCL	MCLG	Unit of Measure	Source of Contaminant
2007	Arsenic *The arsenic value was effective Jan. 23, 2006. In the event of a violation, you will be notified.	2	2	2	10	0	ppb	Erosion of natural deposits; runoff from orchards; runoff from glass and electronics production wastes.
2007	Barium	0.192	0.192	0.192	2	2	ppm	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits.
2007	Fluoride	0.42	0.42	0.42	4	4	ppm	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories.
2008	Nitrate	0.02	0.02	0.02	10	10	ppm	Runoff from fertilizer use, leaching from septic tanks, sewage; erosion of natural deposits.

Organic Contaminants

Year or Range	Contaminant	Average Level	Minimum Level	Maximum Level	MCL	MCLG	Unit of Measure	Source of Contaminant
2006	Ethylbenzene	0.5	0.5	0.5	700	700	ppb	Discharge from petroleum refineries.

Maximum Residual Disinfectant Level - Systems must complete and submit disinfection data on the Disinfection Level Quarterly Operating Report (DLQOR). On the CCR report, the system must provide disinfectant type, minimum, maximum and average levels.

Year	Disinfectant	Average Level	Minimum Level	Maximum Level	MRDL	MRDLG	Unit of Measure	Source of Chemical
2008	Disinfectant used	Average level of CCR year's quarterly	Minimum result single sample	Maximum result single sample	4	<4.0	ppm	Disinfectant used to control microbes.

Disinfection Byproducts

Year	Contaminant	Average Level	Minimum Level	Maximum Level	MCL	Unit of Measure	Source of Contaminant
2006	Total Haloacetic Acids	1.6	1.6	1.6	60	ppb	Byproducts of drinking water disinfection.
2006	Total Trihalomethanes	12.8	12.8	12.8	80	ppb	Byproducts of drinking water disinfection.

Unregulated Initial Distribution System Evaluation for Disinfection Byproducts Waived or not yet sampled

Unregulated Contaminants - Bromoform, chloroform, dichlorobromomethane, and dibromochloromethane are disinfection byproducts. There is no maximum contaminant level for these chemicals at the entry point to distribution.

Year or Range	Contaminant	Average Level	Minimum Level	Maximum Level	Unit of Measure	Source of Contaminant
2006	Chloroform	0.9	0.9	0.9	ppb	Byproduct of drinking water disinfection.
2006	Bromoform	1.4	1.4	1.4	ppb	Byproduct of drinking water disinfection.
2006	Bromodichloromethane	1.2	1.2	1.2	ppb	Byproduct of drinking water disinfection.
2006	Dibromochloromethane	2.2	2.2	2.2	ppb	Byproduct of drinking water disinfection.

Lead and Copper

Year	Contaminant	The 90th Percentile	Sites Exceeding Action Level	Action Level	Unit of Measure	Source of Contaminant
2008	Lead	3.2	0	15	ppb	Corrosion of household plumbing systems; erosion of natural deposits.
2008	Copper	0.221	0	1.3	ppm	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives.

Recommended Additional Health Information for Lead All water systems are required by EPA to report the language below starting with the 2009 CCR to be delivered to you by July of 2010. We are providing this information now as a courtesy. "If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. This water supply is responsible for providing high quality drinking water, but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline or at <http://www.epa.gov/safewater/lead>."

Turbidity Not Required

Fecal Coliform Reported monthly tests found no fecal coliform bacteria

Total Coliform Reported monthly tests found no coliform bacteria

Secondary and Other Constituents Not Regulated

(No associated adverse health effects)

Year or Range	Constituent	Average Level	Minimum Level	Maximum Level	Secondary Limit	Unit of Measure	Source of Constituent
2007	Bicarbonate	290	290	290	NA	ppm	Corrosion of carbonate rocks such as limestone.
2007	Calcium	28	28	28	NA	ppm	Abundant naturally occurring element.
2007	Chloride	53	53	53	300	ppm	Abundant naturally occurring element; used in water purification; byproduct of oil field activity.
2004	Hardness as Ca/Mg	111	111	111	NA	ppm	Naturally occurring calcium and magnesium.
2007	Iron	0.202	0.202	0.202	0.3	ppm	Erosion of natural deposit; iron or steel water delivery equipment or facilities.
2007	Magnesium	8.4	8.4	8.4	NA	ppm	Abundant naturally occurring element.
2007	Manganese	0.0178	0.0178	0.0178	0.05	ppm	Abundant naturally occurring element.
2007	Nickel	0.002	0.002	0.002	NA	ppm	Erosion of natural deposits.

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2007	pH	7.8	7.8	7.8	>7.0	units	Measure of corrosivity of water.
2007	Sodium	92	92	92	NA	ppm	Erosion of natural deposits; byproduct of oil field activity.
2007	Total Alkalinity as CaCO ₃	238	238	238	NA	ppm	Naturally occurring soluble minerals salts.
2007	Total Dissolved Solids	338	338	338	1000	ppm	Total dissolved mineral constituents in water.
2007	Total Hardness as CaCO ₃	104	104	104	NA	ppm	Naturally occurring calcium.
2007	Zinc	0.063	0.063	0.063	5	ppm	Moderately abundant naturally occurring element; used on the metal industry.

VIOLATIONS

Violation Type and Health Effects

Duration Explanation Steps to correct

Routine coliform Monitoring-Major- No Routine Samples

We are required to monitor your drinking water for specific contaminants on a regular basis. Results of regular monitoring are an indicator of whether or not your drinking water meets health standards. During this compliance period, we did not correctly monitor, and therefore cannot be sure of the quality of your drinking water during that time.

10/1/08 Quavest failed to collect routine water samples for Oct. 2008. Subsequent water samples were to 10/31/08 compliant.