

2007 Northcrest 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
2006 2005	Barium	0.1	0.099	0.102	2	2	ppm	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits.
2007	Nitrate	0.04	0.03	0.05	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	MRDL	MRDLG	Unit of Measure	Source of Contaminant
2005	Toluene	0.35	0	0.7	1000	1000	ppb	Discharge from petroleum refineries.
2005	Ethylbenzene	0.9	0	1.8	700	700	ppb	Discharge from petroleum refineries.

Maximum Residual Disinfectant Level

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

Year	Disinfectant	Average Level	Minimum Level	Maximum Level	MCL	MCLG	Unit of Measure	Source of Disinfectant
2007	Disinfectant used	Average level of CCR year's quarterly	Minimum results single sample	Maximum result single sample	4	<4.0	ppm	Disinfectant used to control microbes.

Disinfection Byproducts

Not reported or none detected

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
2005	Chloroform	1.15	0	2.3	ppb	Byproduct of drinking water disinfection.
2005	Bromoform	0.85	0	1.7	ppb	Byproduct of drinking water disinfection.
2005	Bromodichloromethane	1.35	0	2.7	ppb	Byproduct of drinking water disinfection.
2005	Dibromochloromethane	1.45	0	2.9	ppb	Byproduct of drinking water disinfection.

Lead and Copper

Year	Contaminant	The 90th Percentile	Number of Sites Exceeding Action Level	Action Level	Unit of Measure	Source of Contaminant
2002	Lead	5.2	0	15	ppb	Corrosion of household plumbing systems; erosion of natural deposits.
2002	Copper	0.357	0	1.3	ppm	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives.

Turbidity Not required

Total Coliform Reported monthly test found no coliform bacteria

Fecal Coliform

Reported monthly test found no fecal coliform bacteria

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>."

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 Contaminant
2007 2006	Bicarbonate	221	210	231	NA	ppm	Corrosion of carbonate rocks such as limestone.
2006 2005	Calcium	65.3	58.7	71.9	NA	ppm	Abundant naturally occurring element.
2007 2006	Chloride	17	16	17	300	ppm	Abundant naturally occurring element; used in water purification; byproduct of oil field activity.
2006 2005	Copper	0.003	0	0.006	1	ppm	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives.
2006 2005	Magnesium	1.9	1.7	2.1	NA	ppm	Abundant naturally occurring element.
2006 2005	Nickel	0.001	0	0.001	NA	ppm	Erosion of natural deposits.
2007 2006	pH	7.6	7.5	7.6	>7.0		Measure of corrosivity of water.
2006 2005	Sodium	15	15	15	NA	ppm	Erosion of natural deposits; byproduct of oil field activity.
2007 2006	Sulfate	1	1	1	300	ppm	Naturally occurring; common industrial byproducts; byproducts of oil field activity.

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2007 2006	Total Alkalinity as CaCO ₃	181	172	189	NA	ppm	Naturally occurring soluble minerals salts.
2007 2006	Total Dissolved Solids	248	242	253	1000	ppm	Total dissolved mineral constituents in water.
2006 2005	Total Hardness as CaCO ₃	171	153	188	NA	ppm	Naturally occurring calcium.
2006 2005	Zinc	0.022	0.019	0.025	5	ppm	Moderately abundant naturally occurring element; used in the metal industry.