

To our customers:

We're very pleased to provide you with this year's Annual Water Quality Report. We test the drinking water quality for many constituents as required by state and federal law. The enclosed table shows results of the monitoring period of January 1 - December 31, 2016 and may include earlier monitoring data. Our water comes from 19 groundwater wells located within the Cedarripes Park Mutual Water Company service area. The current well locations are located within the Mojave Watershed and identified as Burnt Mill Well's 1-7 & 19, Coontown Well's 1, 3, 5, and 3 pigs, Lovers Lane Well's 1 & 2, and Sawpit Well's 1, 2, 3, 5. Our system is supplemented with surface water purchased from Crestline Lake Arrowhead Water Agency (CLAWA). Drinking Water Source Assessment and Protection surveys were completed for all wells in January 2003 and 2006 with the assistance of California Rural Water Association, Cedarripes Park Mutual Water Company and California Department of Public Health. A copy of DWSAP may be obtained by calling our office. CLAWA's water quality is attached to our report.

Cedarripes Park Mutual Water Company holds its monthly Board Meeting on the third Thursday of each month at 6:00 PM at Crestline Sanitation District, Crestline California.

Terms and Abbreviations

In the following Test Result Table you will find many terms and abbreviations you might not be familiar with. To help you better understand these terms we've provided the following definitions:

- **Non-Detects (ND)** - laboratory analysis indicates that the constituent is not present.
- **Parts per million (ppm) or Milligrams per liter (mg/l)** - one part per million corresponds to one minute in two years or a single penny in \$10,000.
- **Parts per billion (ppb) or Micrograms per liter (ug/l)** - one part per billion corresponds to one minute in 2,000 years or a single penny in \$10,000,000.
- **Picocuries per liter (pCi/L)** - picocuries per liter is a measure of the radioactivity in water.
- **Million fibers per liter (MFL)** - million fibers per liter is a measure of the presence of asbestos fibers that are longer than 10 micrometers.
- **Nephelometric Turbidity Unit (NTU)** - nephelometric turbidity unit is a measure of the clarity of water. Turbidity in excess of 5 NTU is just noticeable to the average person.
- **Treatment Technique (TT)** - A treatment technique is a required process intended to reduce the level of a contaminant in drinking water.
- **Maximum Contaminant Level (MCL)** - the "Maximum Allowed" (MCL) is the highest level of a contaminant that is 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)** - the "Goal" (MCLG) is the level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.
- **Public Health Goal or PHG** - the level of a contaminant in drinking water below which there is no known or expected risk to health. The California Environmental Protection Agency sets PHG's.
- **Regulated Action Level (AL)** - The concentration of a contaminant, which, if exceeded, triggers treatment, or other requirements, which a water system must follow.
- **Public Drinking Water Standards (PDWS)** - MCLs for contaminants that affect health along with their monitoring and reporting requirements, and water treatment requirements.
- **N/A** - No standard available.

Cedarripes Park Mutual Water Company 2016

Consumer Confidence Report

Esta informe contiene informacion muy importante sobre su agua beber. Traduzcalo o hable con alguien que lo entienda bien.



For additional information contact:

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We conducted more than 100 tests for over 80 drinking water contaminants. These tests included microbial contaminants, inorganic chemical contaminants, organic chemical contaminants, and radioactive contaminants. As you can see by the table, only a few contaminants were detected in the water. None of these contaminants exceeded the maximum contaminant level set by the State. Your drinking water meets or exceeds all Federal and State requirements. Regulations require the testing of the water to ensure that it is safe to drink.

All 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 the water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the US Environmental Protection Agency Safe Drinking Water Hotline at (1-800-426-4791).

Some people may be more vulnerable to contaminants in drinking water than the general population. Immunocompromised 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/Center for Disease Control (CDC) guidelines on appropriate means to lessen the risk of infection by Cryptosporidium and other microbiological contaminants are available from the Safe Drinking Water Hotline (1-800-426-4791).

The sources of drinking water (both tap 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 animal or human activity.

- Contaminants that may be in source water include:
 - Microbial contaminants, such as viruses and bacteria, that come from sewage treatment plants, septic systems, livestock operations, and wildlife.
 - Inorganic contaminants, such as salts and metals, that can be naturally occurring or result from urban storm water runoff, industrial or domestic waste water discharges, oil and gas production, mining or farming.
 - Pesticides and herbicides, which may come from a variety of sources such as agriculture, urban storm water runoff, and residential uses.
 - 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 storm water runoff, agricultural application and septic systems.
 - Radioactive contaminants, which can be naturally occurring or be the result of oil and gas production and mining activities.

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

For more information please contact Cedarripes Park Mutual Water Company at (909) 338-1821 if you have questions.

CEDARPINES PARK MUTUAL WATER COMPANY

2016 GROUNDWATER QUALITY MONITORING TABLE

PRIMARY STANDARDS - Mandatory, Health-Related Standards by the State of California, Department of Health Services.									
Violation		Units	MCLG	PHG	MCL	RANGE	# of Months Exceeding	Likely Source of Detected Constituent	
MICROBIOLOGICAL CONTAMINANTS									
Col. Bac. (% Test Positive)	No	%+	0	0	0	0	0	96 annually	Naturally present in the environment
No. of Acute Violations	0	Units	0	0	0	0	0		
PRIMARY STANDARDS - Mandatory, Health-Related Standards by the State of California, Department of Health Services.									
RADIOACTIVE CONTAMINANTS									
Gross Alpha Activity	No	pCi/l	0	n/a	15	0-11	5.5	Aug. 16	Erosion of natural deposits.
Uranium	No	pCi/l	0.43	0.43	20	0.0-5.8	2.9	Aug. 16	Erosion of natural deposits.
INORGANIC CONTAMINANTS									
Aluminum	No	ppm	0.6	0.6	1	ND	ND	Feb. 15	Erosion of natural deposits.
Nitrate (as NO3)	No	ppm	45	45	45	0.0-7.1	2.7	Jan. 16	Runoff and leaching from fertilizer use; leaching from septic tanks and sewage; erosion of natural deposits.
Nitrate + Nitrite as Nitrogen (N)	No	ppm	1 as N	1 as N	10	0.0-6.3	1.78	Jan. 16	Runoff and leaching from fertilizer use; leaching from septic tanks and sewage; erosion of natural deposits.
SECONDARY STANDARD - Aesthetic Standards Established by the State of California, Department of Health Services.									
Violation		Units	MCLG	PHG	MCL	RANGE	LEVEL	Date	Likely Source of Detected Constituent
No									
Chloride	No	ppm	n/a	n/a	500	5.8-14	8.4	Feb. 15	Runoff / leaching from natural deposits.
Hardness (CaCo3)	No	ppm	n/a	n/a	n/a	39-130	81	Feb. 15	Leaching from natural deposits.
Sodium	No	ppm	n/a	n/a	n/a	9.5-12	7.5	Feb. 15	Runoff / leaching from natural deposits.
Specific Conductance	No	umho/cm	n/a	n/a	1600	140-230	244	Feb. 15	Substances that form ions when in water.
Sulfate	No	ppm	n/a	n/a	500	5.1-14	10.2	Feb. 15	Runoff / leaching from natural deposits.
Total Dissolved Solids (TDS)	No	ppm	n/a	n/a	1000	100-190	157	Feb. 15	Runoff / leaching from natural deposits.
ADDITIONAL CONSTITUENTS ANALYZED									
Violation		Units	MCLG	PHG	MCL	RANGE	LEVEL	Date	Likely Source of Detected Constituent
No									
Color	No	units	n/a	n/a	15	<3.0	ND	Jan. 16	Erosion of natural deposits.
Odor	No	units	n/a	n/a	3	0-1	<1.0	Jan. 16	Naturally-occurring organic materials
Turbidity	No	units	n/a	n/a	5	ND - 0.3	0.1	Jan. 16	Soil runoff
UNREGULATED INORGANIC CONTAMINANTS									
Violation		Units	MCLG	PHG	MCL	RANGE	LEVEL	Date	Likely Source of Detected Constituent
No									
Vanadium	No	ppb	n/a	n/a	50	0.0-3.6	0.5	Oct. 11	
LEAD + COPPER - Mandatory, Health-Related Standards by the State of California, Department of Health Services.									
Violation		Units	MCLG	PHG	MCL	RANGE	LEVEL	Date	Likely Source of Detected Constituent
No									
Lead	No	ppb	10	AL=15	13	ND		Sept. 16	Internal corrosion of household water systems; discharges from industrial manufacturers; erosion of natural deposits.
Copper	No	ppm	10	AL=1.3	0.23	0		Sept. 16	Internal corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives.
DISINFECTION BYPRODUCTS, DISINFECTANT RESIDUALS, AND DISINFECTION BYPRODUCT PRECURSORS									
Violation		Units	MCLG	PHG	MCL	RANGE	LEVEL	Date	Likely Source of Detected Constituent
No									
THMs (Total Trihalomethanes)	No	ppb	n/a	n/a	80	ND-24.8	13	Dec. 16	Byproduct of drinking water chlorination.
HAA5 (Halocetic Acids)	No	ppb	n/a	n/a	60	ND-6.5	3	Dec. 16	Byproduct of drinking water chlorination.

CRESTLINE-LAKE ARROWHEAD WATER AGENCY

WATER QUALITY DATA 2016

TEST RESULTS

Contaminant	Average Level Detected	Range Of Levels Detected	Units	MCL	PHG	Major Sources in Drinking Water
PRIMARY STANDARDS						
Total Trihalomethanes*	46.00*	6.6-40.2	uG/l	80	N/A	By-product of drinking water disinfection
Haloacetic Acids*	7.00*	1.3-6.8	uG/l	60	N/A	Byproduct of drinking water disinfection
Inorganic Chemicals						
Fluoride (naturally occurring)	.08	0-.17	mg/l	2	1	Erosion of natural deposits; water additive that promotes strong teeth; discharge from fertilizer and aluminum factories
Nitrate (as NO3)	.33	0-.75	mg/l	45	45	Runoff and leaching from fertilizer use; leaching from septic tanks and sewage; erosion of natural deposits
SECONDARY STANDARDS						
Chloride	95.00	72-120	mg/l	500	N/A	Runoff/leaching from natural deposits; seawater influence
Sulfate	66.94	39-93	mg/l	500	N/A	Runoff/leaching from natural deposits; industrial wastes
Total Dissolved Solids (TDS)	337.50	290-410	mg/l	1000	N/A	Erosion of natural deposits
OTHER CONSTITUENTS						
Sodium	81.44	69-98	mg/l	N/A	N/A	"Sodium" refers to the salt present in the water and is generally naturally occurring
Total Hardness	103.00	87-110	mg/l	N/A	N/A	"Hardness" is the sum of polyvalent cations present in the water, generally magnesium and calcium. The cations are usually naturally occurring.
Odor - Threshold	1	1-1	TON	3	N/A	Naturally- occurring organic materials
Unregulated Contaminants						
Boron	188.13	0-250	uG/l	1,000	N/A	Erosion of natural deposits
Vanadium	1.30	0-4.7	uG/l	50	N/A	Erosion of natural deposits
pH	8.04	7.8-8.3	Unit	6.5-8.5	N/A	

*Total Trihalomethanes and Haloacetic Acids are reported as the Highest Locational Running Annual Average.

CEDARPINES PARK MUTUAL WATER COMPANY

SPECIFIC LANGUAGE- NITRATE

Nitrate in drinking water at levels above 45 mg/L is a health risk for infants of less than six months of age. Such nitrate levels in drinking water can interfere with the capacity of the infant's blood to carry oxygen, resulting in a serious illness; symptoms include shortness of breath and blueness of the skin. Nitrate levels above 45 mg/L may also effect the ability of the blood to carry oxygen to other individuals, such as pregnant women and those with certain specific enzyme deficiencies. If you are caring for an infant, or you are pregnant, you should ask advice from your health care provider.