

2016 Consumer Confidence Report



LAKE HEMET MUNICIPAL WATER DISTRICT

Lake Hemet—Campground System 3310080

951-658-3241

Lake Hemet MWD Campground



We test the drinking water quality for many constituents as required by state and federal regulations. This report shows the results of our monitoring for the period of January 1 - December 31, 2016 and may include earlier monitoring data.

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

There is one well located in the pasture just east of Lake Hemet that supplies your drinking water. Drinking water source assessment and sanitary survey information is available on request from LHMWD—26385 Fairview Ave Hemet, CA 92544

(951-658-3241) or State Water Resources Control Board Drinking Water Field Office, 1350 Front St room 2050 San Diego, CA 92101 (619-525-4219). The 2014 Sanitary Survey determined source is most vulnerable to contamination by animal grazing in the area.

LHMWD invites public participation at our monthly board meeting held at 3:00 PM on the third Thursday of every month at the LHMWD district office, 26385 Fairview Avenue Hemet, CA 92544.

For more information contact Kristen Frankforter, 951-658-3241 ext. 245 or email kfrankforter@lhmwd.org.

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.

In order to ensure that tap water is safe to drink,

- THE USEPA AND THE STATE WATER RESOURCES CONTROL BOARD (STATE BOARD) PRESCRIBE REGULATIONS THAT LIMIT THE AMOUNT OF CERTAIN CONTAMINANTS IN WATER PROVIDED BY PUBLIC WATER SYSTEMS. STATE BOARD REGULATIONS ALSO ESTABLISH LIMITS FOR CONTAMINANTS IN BOTTLED WATER THAT PROVIDE THE SAME PROTECTION FOR PUBLIC HEALTH.

The following tables list all the drinking water contaminants that were detected during the most recent sampling.

The presence of these contaminants in the water does not necessarily indicate that the water poses a health risk. The State Board allows us to monitor for certain contaminants less than once per year because the concentrations of these contaminants do not change frequently. Some of the data, though representative of the water quality, are more than one year old.

Contaminants that may be present in source water 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.

Organic chemical contaminants, including synthetic and volatile organic

chemicals that are by-products of industrial processes and petroleum production, and can also come from gas stations, urban stormwater runoff, agricultural applications and septic systems.

Radioactive contaminants that can be naturally-occurring or be the result of oil and gas production and mining activities.



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Maximum Contaminant Level (MCL): the highest level of a contaminant that is allowed in drinking water. Primary MCLs are set as close to the PHG (or MCLG) 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 USEPA.

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.

Maximum Residual Disinfectant Level (MRDL): the highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.

USEPA'S SAFE DRINKING
WATER HOTLINE
1-800-426-4791

Terms used in this report

Maximum Residual Disinfection Level Goal (MRDLG): The level of a drinking water disinfectant below which there is no known or expected risk to health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contaminants.

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

Secondary Drinking Water Standards (SDWS): MCLs for contaminants that affect taste, odor or appearance of the drinking water. Contaminants with SDWSs do not affect health at the MCL levels.

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

Regulatory Action Level (AL): the concentration of a contaminant which, if exceeded, triggers treatment or other requirements that a water system must follow.

Variances and Exemptions: State Board permission to exceed an MCL or not comply with a treatment technique under certain conditions.

Level 1 Assessment: a Level 1 assessment is a study of the water system to identify potential problems and determine (if possible) why total coliform bacteria have been found in our water system.

Level 2 Assessment: A Level 2 assessment is a very detailed study of the water system to identify potential problems and determine (if possible) why an E.coli MCL violation has occurred and/or why total coliform bacteria have been found in our water system on multiple occasions.

ND: not detectable at testing limit

ppm: parts per million or milligrams per liter (mg/L)

ppb: parts per billion or micrograms per liter (μ g/L)

ppt: parts per trillion or nanograms per liter (ng/L)

ppq: parts per quadrillion or picograms per liter (pg/L)

pCi/L: picocuries per liter (a measure of radiation)

μ S/cm: microsiemens per centimeter (a measure of conductivity)

Additional General Information on Drinking Water

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

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).



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Sampling Results for Coliform Bacteria

Microbiological Contaminants	Highest No. of Detections	No. of months in violation	MCL	MCLG	Typical source of Bacteria
Total Coliform Bacteria (state Total Coliform Rule)	(in a month) Zero	Zero	1 positive monthly sample	0	Naturally present in the environment
Fecal Coliform or <i>E. coli</i> (state Total Coliform Rule)	(in the year) Zero	Zero	A routine sample and a repeat sample are total coliform positive, and one of these is also fecal coliform or <i>E. coli</i> positive		Human and animal fecal waste
<i>E. coli</i> (federal Revised Total Coliform Rule)	(from 4/1/16-12/31/16) Zero	Zero	(a)	0	Human and animal fecal waste

(a) routine and repeat samples are total coliform-positive and either is *E.coli*-positive or system fails to take repeat samples following *E.coli*-positive routine sample or system fails to analyze total coliform-positive sample for *E. coli*.

Sampling Results for Lead and Copper

Lead and Copper	Sample Date	No. of samples collected	90th percentile level detected	No. sites exceeding AL	AL	PHG	Typical source of contaminant
Lead (ppb)	2015	5	ND	Zero	15	0.2	Internal corrosion of household water plumbing systems; discharges from industrial manufacturers; erosion of natural deposits
Copper (ppm)	2015	5	0.07	Zero	1.3	0.3	Internal corrosion of household water plumbing systems; erosion of natural deposits; leaching from wood preservatives

Sampling Results for Sodium and Hardness

Chemical or constituent	Sample Date	Level Detected	Range of Detections	MCL	PHG (MCLG)	Typical Source of Contaminant
Sodium (ppm)	2014	29	29	None	None	Salt present in the water and is generally naturally occurring
Hardness (ppm)	2014	130	130	None	None	Sum of polyvalent cations present in the water, generally magnesium and calcium, and is usually naturally occurring

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. Lake Hemet MWD 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 do so, you may want to collect the flushed water and reuse it for another beneficial purpose, such as watering plants. If you are concerned about lead in your water, you may wish to have your water tested. Information of lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline (1-800-426-4791) or at www.epa.gov/lead.

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LAKE HEMET MUNICIPAL WATER DISTRICT – CAMP GROUND



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Detection of Contaminants with a Primary Drinking Water Standard

Chemical or Constituent (and reporting units)	Sample Date	Level Detected	Range of Detections	MCL [MRDL]	PHG (MCLG) [MRDLG]	Typical Source of Contaminant
Barium (ppb)	2014	0.17	0.17	1	(2)	Erosion of natural deposits, run-off from orchards, glass and electronics production waste
Chlorine (ppm)	2016	1.21	0.65-2.25	[4.0 as Cl ₂]	[4.0 as Cl ₂]	Drinking water disinfectant added for treatment
Fluoride (ppm)	2014	0.2	0.2	2	1	Erosion of natural deposits, discharge from fertilizer factories
Nitrate as Nitrogen (ppm)	2016	2.0	2.0	10	10	Run-off and leaching from fertilizer use; leaching from septic tanks and sewage; erosion of natural deposits
Total Trihalomethanes (TTHM) (ppb)	2016	2.1	2.1	80		By-product of drinking water disinfection

Detection of Contaminants with a Secondary Drinking Water Standard

Chemical or Constituent (and reporting units)	Sample Date	Level Detected	Range of Detections	MCL	PHG (MCLG)	Typical Source of Contaminant
Turbidity-distribution (NTU)	2016	ND	ND-0.2	5		Soil run-off
Turbidity-source (NTU)	2014	0.3	0.3	5		Soil run-off
Chloride (ppm)	2014	15	15	500		Runoff/leaching from natural deposits; seawater influence
Sulfate (ppm)	2014	10	10	500		Runoff/leaching from natural deposits; industrial waste
Total Dissolved Solids (ppm)	2014	200	200	1000		Runoff/leaching from natural deposits
Specific Conductance (μS/cm)	2014	360	360	1600		Substances that form ions when in water; seawater influence

Protection of drinking water is everyone's responsibility. You can help protect your community's drinking water source in several ways:

- Eliminate excess use of fertilizers and pesticides— they contain hazardous chemicals that can reach your drinking water source.
- Pick up after your pets.
- Dispose of chemicals properly; take used motor oil to a recycling center.
- Volunteer in your community. Find a watershed or wellhead protection organization in your community and volunteer to help. If there are no active groups, consider starting one. Use USEPA's Surf Your Watershed to locate groups in your community, www.epa.gov/waterdata/surf-your-watershed or visit the Watershed Information Network's How to Start a Watershed Team.