



Lake Hemet Municipal Water District

26385 Fairview Avenue, Hemet, CA, 92544

Garner Valley System

**2010 Consumer
Confidence
Report**

WATER CONSERVATION

In the Bathroom

- Install a water-saving shower head. Older heads use 5-10 gallons per minute (gpm). All new fixtures use approximately 2.5 gpm and offer equal water coverage and force.
- Many high water consumption problems stem from toilets which slowly leak water because of bad valves, improperly positioned float arms or defective overflow tubes. Place dye tablets in your toilet tank. After several minutes if you see the dye enter your toilet bowl you know you have a leak.

In the Kitchen

- Rinse dishes, vegetables and fruits in a filled basin, rather than under running water.
- Water your plants with left-over rinse water. (Plants also love fish tank water!)
- Wash only full loads in the dishwasher. Use the "light wash" setting when possible.
- Consider buying a high efficiency dishwasher that will save water and energy.
- Keep a jug of chilled water in the refrigerator for drinking to avoid running the water until it gets cold.

In the Laundry

- Wash only full loads of clothing.
- Hand wash single garments.
- Consider buying a high efficiency washing machine that will save water and energy.

In the Garden

- Select plants carefully. Read the plant tag, it tells you the amount of sunlight and water the plant needs as well as the recommended soil conditions.
- Plants that require partial shade do best on eastern exposures where they are shaded from the hot afternoon sun.
- Consider the slope and drainage patterns of the site. Plant moisture-loving plants at the base of slopes where they can take advantage of natural drainage.
- Group plants in the landscape according to their water need: high, medium or low. This will result in more efficient irrigation. Water the root zone of the plant instead of the foliage. This saves water and reduces diseases.
- Water at night or in early morning to avoid losing water to evaporation.
- Water deeply. Light, frequent watering causes shallow rooting and increases the need for water.
- Use drip irrigation and micro-sprays when possible. They use 30 to 50 percent less water than sprinklers.

WATER MASTER PLAN

Lake Hemet MWD updated its Water Master Plan in 2010. The Master Plan identified \$30,000,000 of new improvements needed to update and upgrade its aging infrastructure system of pipeline, booster stations, and storage tanks. Already, old leaking pipelines are being replaced with larger diameters and corrosion-resistant materials. The larger 8" to 12" pipelines will provide adequate fire flows to areas that once had pipelines as small as 2" or no hydrants at all. Other pipeline projects are in design for many other areas within the District including the fire-prone hillsides.

URBAN WATER MANAGEMENT PLAN

Similarly, the District is also preparing an update to its Urban Water Management Plan (UWMP). The UWMP evaluates existing and future water supplies and demands for the next 20 years. This year's update also includes the State law to achieve a 20% reduction in water used per person, also known as the "20 by 2020" law. Due to the conservation efforts of the District's customers, the 20% reduction was already achieved in 2009 and 2010. However, continued diligence is needed as some of the reduction may have been due to economic effects and above-average rainfall last year.

EASY PAY / ONLINE / PHONE BILL PAY

Our payment alternatives, "Easy Pay", "Online" and "Phone" have provided customers with simple, safe, and convenient alternatives to mailing or hand delivering payment for their water bills. For information on how to get started with either "Easy Pay" or "Online Bill Pay", look for more information in your bill or "on-line" at www.lhmwd.org. To pay by phone with your credit or debit card, Visa, MasterCard, Discover or check, call 1-877-543-8358, 24 hours a day, 7 days a week. You can also contact the District office at 951-658-3241 to pay by phone with credit or debit card during office hours.

LITTLE LAKE / CAMPGROUND

On March 1, 2011 and April 1, 2011, Urban Parks Concessionaires dba The California Parks Company (TCPC), formally began operating Little Lake reservoir and Lake Hemet Campground respectively. This was the result of unsuccessful negotiations for the Riverside County Parks Department to take over the management of these facilities for the District. Thus far, TCPC has infused energy into operating both facilities and it is anticipated that they will bring new and innovative recreational opportunities to the campground, and local fishing and picnicking to Little Lake reservoir. For Lake Hemet camping reservations, please see www.LakeHemet.org or call (951) 659-2680 and for Little Lake hours of operations, contact (530) 526-7937.

WATER QUALITY REPORT

GARNER VALLEY

In 2010, as in previous years, your tap water met all EPA and State drinking water health standards. Lake Hemet Municipal Water District vigilantly safeguards its water supplies and once again we are proud to report that our system has never violated a maximum contaminant level or any other water quality standard. This brochure is a snapshot of last year's water quality. Included are details about where your water comes from, what it contains, and how it compares to State standards. We are committed to providing you with information because informed customers are our best allies. For more information about your water, call 951-658-3241 and ask for Robert W. Norman.

Este informe contiene información muy importante sobre su agua beber. Tradúzcalo ó hable con alguien que lo entiende bien. 951-658-3241

The District's Board of Directors meets the third Thursday of every month at the main office, located at 26385 Fairview Avenue, at 3:00 PM. Please feel free to participate in these meetings.

Your water comes from five wells located in Garner Valley. All wells are disinfected with chlorine. The Garner Valley system has been broken into two pressure zones. One of the zones is made up of Well #4 and Well #2 and the storage tank off Gold Shot Creek Road. The other zone is made up of Well #1 and Well #5 and the storage tank above the Commons area.

The attached tables list all the drinking water contaminants that we detected during the 2010 calendar year. The presence of these contaminants in the water does not necessarily indicate that the water poses a health risk. Unless otherwise noted, the data presented in this table is from testing done January 1 – December 31, 2010. This does not include data from Well #3 and Well #6 which were not in service during the 2010 calendar year. The State requires us to monitor for certain contaminants less than once per year because 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.

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 systems 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).

GENERAL INFORMATION

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. 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 storm water runoff, industrial or domestic wastewater 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, and septic systems.

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

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 your water poses a health risk. In order to ensure that tap water is safe to drink, USEPA and the California 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. More information about contaminants and potential health effects can be obtained by calling the EPA's Safe Drinking Water Hotline (1-800-426-4791.)

Terms & abbreviations used:

- **Maximum Contaminant Level (MCL):** The highest level of 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.
- **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.
- **Primary Drinking Water Standard or PDWS:** MCLs for contaminants that affect health along with their monitoring and reporting requirements, and water treatment requirements.
- **Regulatory Action Level (RAL):** The concentration of the contaminant which, when exceeded, triggers treatment or other requirements that a water system must follow.
- **n/a:** not applicable; **pCi/l:** picocuries per liter (a measure of radiation); **umhos/cm:** a measure of electrical conductance; **ppm:** parts per million or milligrams per liter (a contaminant at 2 ppm equals 0.000002 gallon of contaminant in 1 gallon of water); **ppb:** parts per billion or micrograms per liter (a contaminant at 7 ppb equals 0.00000007 gallon of contaminant in 1 gallon of water) ; **NTU:** Nephelometric Turbidity Units.

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 2007 we did not complete all monitoring for toluene and therefore, cannot be sure of the quality of your drinking water during that time.

Nitrate in drinking water at levels above 45 ppm (as Nitrate) is a health risk for infants 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 ppm may also affect the ability of blood to carry oxygen in other individuals, such as pregnant women and those with specific enzyme deficiencies. Nitrate levels may rise quickly for short periods of time because of rainfall or agricultural activity. If you are caring for an infant, or you are pregnant, you should ask for advice from your health care provider.

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 and 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>.

LAKE HEMET MUNICIPAL WATER DISTRICT – GARNER VALLEY

Regulated Contaminants with Primary MCLs or MRDLs

Microbiological Contaminants	Units	MCLG	MCL	Highest monthly	Major Sources in Drinking Water
Total Coliform Bacteria	1 (100 mil)	0	1	0	Naturally present in the environment
Radioactive Contaminants	Units	PHG	MCL	Range (Average)	
Gross Alpha particle activity	pCi/l	0	15	<3 - 5.59 (<3)	Erosion of natural deposits
Uranium	pCi/l	0.43	20	<2 - 2.71 (<2)	Erosion of natural deposits
Inorganic Contaminants	Units	PHG (MCLG)	MCL	Range (Average)	
Arsenic	ppb	0.004	10	ND - 2.5 (<2)	Erosion of natural deposits
Barium	ppm	(2)	1	ND - .14 (<100)	Discharge of oil drilling wastes and from metal refineries; erosion of natural deposits
Nitrate (NO ₃)	ppm	45	45	<2 - 29 (9.7)	Runoff and leaching from fertilizer use; leaching from septic tanks and sewage; erosion of natural deposits
Fluoride	ppm	1	2	0.2 - 0.6 (0.4)	Erosion of natural deposits; water additives that promote strong teeth; discharge from fertilizer and aluminum factories
Aluminum	ppm	0.6	1	0 - 0.48 (.960)	Erosion of natural deposits; residue from some surface water process
Copper (at the tap; 90 th percentile)	ppm	0.17	1.3	# Detection # Sampled Level Exceeded AL 5 0 0.415	Internal corrosion of household water plumbing systems; erosion of natural deposits; leaching from wood preservatives
Lead (at the tap; 90 th percentile)	ppb	2	15	5 0 <5	Internal corrosion of household water plumbing systems; discharges from industrial manufacturers, erosion of natural deposits
Disinfection Byproducts, Disinfectant Residuals, and Disinfection Byproduct Precursors	Units	MRDLG	MCL (MRDL)	Highest Annual Average	Range
Total Trihalomethanes	ppb	n/a	80	25	
Chlorine	ppm	4	(4.0)	1.08	(.9 - 1.4)

Regulated Contaminants with Secondary MCLs

	Units	PHG (MCLG)	MCL	Range (Average)	Typical Source of Contaminant
Specific Conductance	micromhos	none	900	380 - 630 (512)	Runoff/leaching from natural deposits
Chloride	ppm	none	250	19 - 30 (25)	Substances that form ions when in water; seawater influence
Turbidity	ppm		5	<0.2 - 0.23 (<2)	Soil runoff
Zinc	ppm		5	<.05 - .2 (<.05)	Runoff/leaching from natural deposits; industrial wastes
Sulfate	ppm	none	250	24 90 (59)	Runoff/leaching from natural deposits; seawater influence
Iron	ppb	none	300	<.5 - 260 (92)	Leaching from natural deposits; industrial wastes
Manganese		none	50	<2 - 25 (<20)	Leaching from natural deposits
Total Dissolved Solids		none	500	220 - 340 (280)	Runoff and leaching from natural deposits

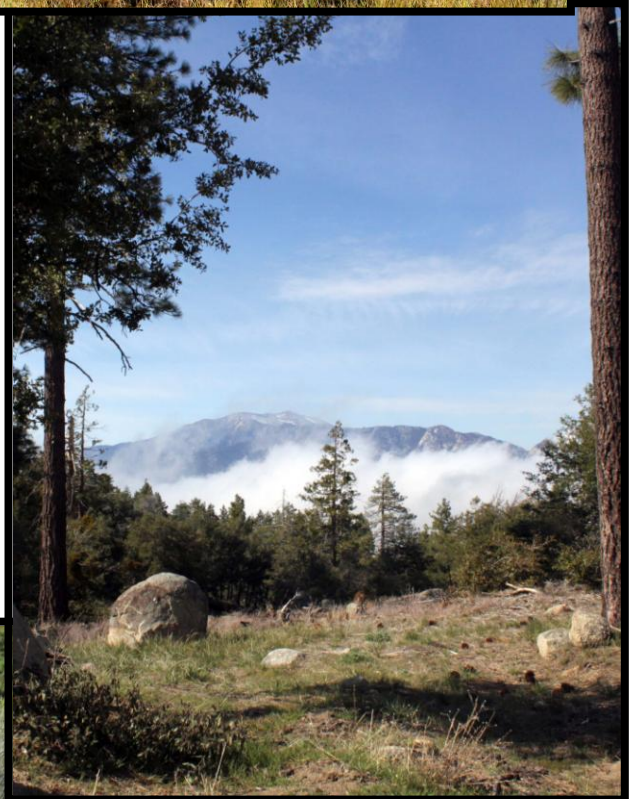
Organic Chemicals

	Units	PHG (MCLG)	MCL	Range (Average)	
Toulene	150	150	150	<0.5 - 1.2 (<0.5)	Discharge from petroleum and chemical factories; underground gas tank leaks

Other Detected Contaminants That May Be Of Interest To The Consumer

	Units	Range (Average)
Total Hardness	ppm	8.2 - 210 (73)
pH	Std. Units	7.3 - 9.2 (8.2)
Color	ppm	<3 - 3 (<3)
Potassium	ppm	<1 - 2 (<1)
Calcium	ppm	3.2 - 67 (29)
Magnesium	ppm	<1 - 9.8 (3.3)
Sodium	ppm	28 - 110 (71)
Bicarbonate	ppm	100 - 260 (164)
Total Alkalinity	ppm	99 - 210 (136)
Carbonate	ppm	<3 - 8 < (3)

GARNER VALLEY



MISSION STATEMENT

The Mission of Lake Hemet Municipal Water District is to produce and deliver high quality water to our customers for domestic and agricultural use, to provide sewer collection services and to maintain Lake Hemet as a clean safe water reservoir and recreational facility, in an economical, efficient and responsible manner now and in the future.



Board of Directors
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2010 CONSUMER CONFIDENCE REPORT

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