

# Lake Hemet Municipal Water District

26385 Fairview Avenue, Hemet, CA, 92544

## Garner Valley System



2007 Consumer Confidence Report

## **WATER CONSERVATION TIPS**

### **Stop Those Leaks!**

Check your indoor water using appliances and devices for leaks. Many silent leaks allow water and your money to go down the drain. Studies have shown homes can waste more than 10% due leaking, which costs both you and the environment. Another large water waster can be leaks in your irrigation system. Fix irrigation system leaks quickly and check for water in the gutters or mud puddles. Inspect your sprinklers and drip sprayers regularly for leaks during the daytime since the optimal time to water is in the nighttime hours when you cannot observe leaks. If you have an older irrigation system, over 50% and even more than 75% of the water can be lost to leaks.

### **Replace your old Toilet, the largest water user inside your home.**

If your home was built before 1992 and the toilet has never been replaced, then it is very likely that you do not have a water efficient 1.6 gallon per flush toilet. You can check the date stamp inside the toilet by lifting the lid and looking at the back of the toilet at the manufacturer's imprint of the make, model and date of manufacture.

### **Replace your Clothes Washer, the second largest water user in your home.**

Energy Star™ rated washers that also have a Water Factor at or lower than 9.5, use 35-50% less water and 50% less energy per load. This saves you money on both your water and energy bills.

## **GROUNDWATER MANAGEMENT**

As reported in the Riverside Press Enterprise on May 22, 2008, the local Ground Water Management Plan/Soboba Indian Settlement has cleared the U.S. House of Representatives and is on its way to the Senate. It is highly anticipated that this historic legislation will clear the Senate and be ready for the President's signature in July 2008. Upon legislative approval, the Water Master, comprised of one elected official from each agency will commence with implementation of the plan. Members of the Water Master will be comprised of (1) private-pumpers who signed up for the plan, (1) each from the city councils of Hemet and San Jacinto, and (1) each from Lake Hemet Municipal Water District and Eastern Municipal Water District Boards. At that time, the Water Master will set up its administratively assigned positions, legal counsel, and technical committee. It is anticipated that the Water Master will be fully functioning in early 2009.

## **EASY PAY (DIRECT DEBIT) BILL PAYMENTS**

Due to popular demand, we have developed a new payment alternative. "Easy Pay" (aka Direct Debit) provides customers with a simple, safe, and convenient alternative to mailing or hand delivering payment for their water bills. It is a safe, time saving alternative many customers may choose to avoid worrying about overlooked bill payments, late fees, finding stamps, or last minute trips to pay their bill. Customers can sign up by simply completing a short form and submitting a blank, voided check. Look for more information on our website [www.lhmwd.org](http://www.lhmwd.org).

### **ON-LINE BILL PAYMENTS**

Many customers have inquired about "on-line" bill payments. Accordingly, we just implemented an "on-line," internet based bill payment system. Customer's electing to use this payment alternative will be able to view their water bill and usage history "on-line." Look for more information in your bill or "on-line" at [www.lhmwd.org](http://www.lhmwd.org).

### **CONSTRUCTION – GARNER VALLEY**

Construction of Lake Hemet Municipal Water District's new headquarters on Fairview Avenue is complete. The office and operations staff moved into the new Administration building in November, 2006. The new Shop and Warehouse were occupied last July.

The District continues to upgrade the Garner Valley system. The existing well at the Commons was upgraded to supplement water production capabilities during an equipment outage or drought. Another well on the Commons property, approximately 1,000 feet away, is scheduled for completion in the coming months. Construction of a new 500,000 gallon tank at the end of Hop Patch Springs Road is also nearly complete. Together these projects will increase system reliability and improve fire fighting capabilities.

### **CAMPGROUND**

Lake Hemet is 94% full due to a decent amount of rain and snow this last winter. As irrigation needs in the valley increase during the warm weather, Lake Hemet releases water through a metered discharge valve in the dam. The water supplements the demands in the valley and can vary from 500 to 5000 gallons per minute. Utilization of Lake Hemet as a campground is a benefit of this reservoir's original purpose 117 years ago to deliver water to a developing Hemet / San Jacinto valley.

Again this year the Lake Hemet resident eagles have produced two chicks that will be leaving the nest for the first time in the next few weeks. Your invitation remains open to come and see these magnificent birds as they are easily seen from inside the campground.  
(cover photo - Well at "Ghuerke" Hurkey Creek, 1905)

## WATER QUALITY REPORT GARNER VALLEY

In 2007, 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 2007 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, 2007. 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.

The nitrate levels reflect sampling done at Wells #2, 4, and 3 during the 2007 year and at Wells #1 and 5 during the 2006 year. Wells #1 and 5 have been tested for nitrates for the 2008 year and show ND (None Detected). All Wells will be sampled annually for nitrates to insure compliance with Section 66432.1 Health Department regulations.

### GENERAL INFORMATION

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).

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.

## 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	n/a	15	1.1 - 3.67	(1.9)	Erosion of natural deposits
Combined Radium	pCi/l	n/a	5	0 - .46	(.12)	Erosion of natural deposits
Inorganic Contaminants	Units	PHG (MCLG)	MCL	Range (Average)		
Barium	ppm	(2)	1	.13 - .14 (.054)		Discharge of oil drilling wastes and from metal refineries; erosion of natural deposits
Chromium	ppb	100	50	0 - .48 (.096)		Discharge from steel and pulp mills and chrome plating; erosion of natural deposits
Copper (at the tap; 90 <sup>th</sup> percentile)	ppm	1.17	NL = 1.3	0.05		Internal corrosion of household water plumbing systems; erosion of natural deposits; leaching from wood preservatives
Lead (at the tap; 90 <sup>th</sup> percentile)	ppb	(0.0002)	NL = 0.015	0.0003		Internal corrosion of household water plumbing systems; discharges from industrial manufacturers, erosion of natural deposits
Nitrate	ppm	(10)	10	<1 - 6.3 (1.67)		Runoff and leaching from fertilizer use; leaching from septic tanks and sewage; erosion of natural deposits
Nitrate + Nitrite	ppm	(10)	10	<1 - 6.3 (1.67)		Runoff and leaching from fertilizer use; leaching from septic tanks and sewage; 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	(2.1)	2.1	By-product of drinking water chlorination
Halocetic Acids	ppb	n/a	60	(5)	5	By-product of water disinfection
Chlorine	ppm	4	(4.0)	(1.43)	1.2 - 1.7	Drinking water disinfectant added for treatment

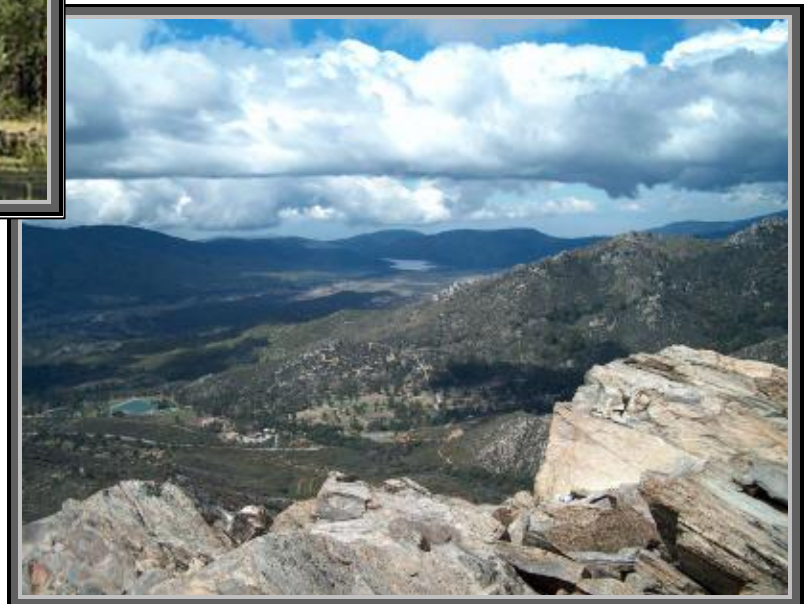
### Regulated Contaminants with Secondary MCLs

	Units	PHG (MCLG)	MCL	Range (Average)		Typical Source of Contaminant
Specific Conductance	micromhos	none	900	490 - 630 (560)		Runoff/leaching from natural deposits
Chloride	ppm	none	250	21 - 30 (27)		Substances that form ions when in water; seawater influence
Fluoride	ppm	(1)	1.4 - 2.4	.3 - .6 (.42)		Erosion of natural deposits; water additives that promote strong teeth; discharge from fertilizer and aluminum factories
Zinc	ppm		5	<.05 - .2 (.04)		Runoff/leaching from natural deposits; industrial wastes
Sulfate	ppm	none	250	37- 90 (61)		Runoff/leaching from natural deposits; seawater influence
Aluminum	ppm	0.6	1	0 - .480 (.096)		Erosion of natural deposits; residue from some surface water treatment processes
Iron	ppb	none	300	<.5 - 300 (150)		Leaching from natural deposits; industrial wastes
Manganese		none	50	<20 - 2 (9.4)		Leaching from natural deposits
Total Dissolved Solids		none	500	250 - 380 (308)		Runoff and leaching from natural deposits

### Other Detected Contaminants That May Be Of Interest To The Consumer

	Units	Range (Average)
Calcium	ppm	3.2 - 71 (34)
Magnesium	ppm	<.002 - 20 (9.4)
Potassium	ppm	<1 - 2 (1.96)
Sodium	ppm	40 - 110 (73)
Bicarbonate	ppm	100 - 260 (186)
Total Alkalinity	ppm	95 - 200 (151)
Total Hardness	ppm	8.2 - 220 (104)
pH	Std. Units	7.2 - 8.9 (8)
Carbonate	ppm	<3 - 8 (1.6)
Turbidity	ppm	.2 - 7.5 (2.3)

# 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.



Pat Searl  
Division 1  
John Fricker  
Division 2  
Doug Marshall  
Division 3  
Larry Minor  
Division 4  
Herb Forst  
Division 5

Board of Directors

## 2007 CONSUMER CONFIDENCE REPORT

LAKE HEMET MUNICIPAL WATER DISTRICT  
P.O. Box 5039  
Hemet, California 92544-0039



Presorted  
Standard  
U.S. Postage  
PAID  
San Jacinto, CA  
92583  
Permit No. 51

