LAKESIDE WATER DISTRICT CONSUMER CONFIDENCE REPORT

Test results from Calendar Year 2003

(Este informe contiene informacion muy importante sobre su agua potable. Traduzcaio a hable con alguien que lo entienda bien.)

	STATE MCL	(PHG) MCLG	MWD COMBINED SKINNER PLANTS	HELIX RM LEVY TREATMENT PLANT	LWD WELLS	OVERALL RANGE	MAJOR SOURCES
PRIMARY STANDARDS - Mandatory Health Standards (ppm)							
CLARITY							
Turbidity (NTU)(h)	0.5	NS	0.09	0.14	0.41	.09-.41	Soil runoff
MICROBIOLOGICAL							
Total Coliform Bacteria (a)	5%	(0)	0-.11%	0%	NA	0-.11%	Naturally present in the environment
Fecal Coliform Bacteria (b)	(b)	(0)	NA	NA	0	0	Human and animal fecal waste
Distribution-System-Wide-fecal coliform and E.coli positives = 0							
ORGANIC CHEMICALS (c)							
Total Trihalomethanes (TTHMs)(ppb)	80	NA	32-61	10.1-28.9	ND	ND-61	By-product of drinking water chlorination
Haloacetic Acids (five)(ppb)	60	NA	11-20	4.2-8.1	ND	ND-20	By-product of drinking water chlorination
INORGANIC CHEMICALS (ppm)(d)							
Aluminum (ppb)(f)	1000	600	ND	120-170 Avg. 142	ND	ND-170	Residue from water treament process
Arsenic (ppb)(f)	50	NA	ND	ND	2.24	ND-2.24	Erosion of natural deposits
Barium (f)	1	(2)	ND	ND	0.14	ND-0.14	Discharge from oil and metal refineries Erosion of natural deposits
Fluoride (f)	2	(1)	.15-.27	.19-.25 Avg. 22	0.46	.15-.46	Erosion of natural deposits. Water additive that promotes strong teeth.
Selenium (ppb)(f)	50		ND	ND	5.44	ND-5.44	Erosion of natural deposits, discharge from mines.
Nitrate	45	45	ND	ND	3.32	3.32	Natural deposits; runoff/leaching from fertilizer use and septic tanks
RADIONUCLIDES (pCi/L)(g)							
Gross Alpha	15	(0)	2.99-3.96 Avg. 3.41	ND-11.3 Avg. 3.8	2.4 (g)	2.4-11.3	Erosion of natural deposits
Gross Beta	50	(0)	4.08 Avg. ND	ND-5.5 Avg. ND	NTF	ND-4.08	Decay of natural and manmade deposits
Combined Radium	5	(0)	0.51 Avg. ND	ND	NTF	ND-.51	Erosion of natural deposits
Lead and Copper Rule: 90th Percentile = ND for lead, .37 ppm for copper. Number of sample sites = 30. Number of sites above action level of 15 ppb lead and 1.3 ppm for copper = 0. Lead and copper tested for in June 2001.							
SECONDARY STANDARDS - Aesthetic Standards (ppm)							
Chloride (f)	500	NS	76-92 Avg. 81	75-87 Avg. 81	136	75-136	Runoff/leaching from natural deposits; seawater influence
Color	15	NS	1-3 Avg. 2	1-5 Avg. 3	11	1.0-11.0	Naturally occurring organic materials
Threshold Odor Number (TON)	3	NS	(e)	2-8 Avg. 5	(e)	(e)	Naturally occurring organic materials
Specific Conductance (umhos/cm)(f)	1600	NS	745-922 Avg. 816	759-867 Avg. 812	1200	745-1200	Substances that form ions when in water; seawater influence
Sulfate (f)	500	NS	147-206 Avg. 171	150-190 Avg. 172	209	147-209	Runoff/leaching from natural deposits; industrial wastes
Total Dissolved Solids (f)	1000	NS	436-563 Avg. 487	450-515 Avg. 483	770	436-770	Runoff/leaching from natural deposits; seawater influence
ADDITIONAL PARAMETERS - Unregulated or Not Detected (ppm)							
Calcium (f)	--	--	49-64 Avg. 54	47-59 Avg. 54	95.5	47-95.5	
Cryptosporidium (Oocsts/100L)	--	--	TT	TT	NTF		
Giardia (Cysts/100L)	--	--	TT	TT	NTF		
Hardness (as CaCO3)	NS	NS	209-264 Avg. 227	204-250 Avg. 231	412	209-412	Leaching from natural deposits
Grains/Gallon (f)	NS	NS	13.27	13.5	24.1	13.27-24.1	
Methyl-Tertiary-Butyl-Ether (MTBE)(ppb)	13	13	ND-.5 Avg. ND	ND	ND	ND-.5	Leaking underground storage tanks; discharge from petroleum and chemical factories
Magnesium (f)	--	--	21-26 Avg. 22.5	21-25 Avg. 23	42.1	21-42.1	
Potassium (f)	--	--	3.6-4.3 Avg. 3.9	3.6-4.4 Avg. 4.0	3.24	3.24-4.4	
pH (units) (f)	--	--	8.04-8.0 Avg. 8.02	8.1	7.17	7.17-8.04	
Sodium (f)	NS	NS	66-89 Avg. 76	69-82 Avg. 77	106	66-106	Runoff/leaching from natural deposits; seawater influence

KEY TO FOOTNOTES AND ABBREVIATIONS

(a) Cannot be present in more than 5% of monthly required number of samples
(b) The occurrence of two consecutive total coliform-positive samples, one of which is fecal coliform/E.coli constitutes an acute MCL.
(c) Over 60 additional organic chemicals were analyzed and not detected. Results are available.
(d) 11 additional inorganics were analyzed and not detected. Results are available.
(e) Our lab uses the Flavor Profile Method, which better detects odor disturbances.
(f) Required to monitor every 3 years. Lakeside Water District well effluent was tested in 2001.
(g) Required to monitor every 4 years. Lakeside Water District effluent radionuclides were analyzed in 2001. Skinner Plant results are for 98/99 radiological monitoring.
(h) Turbidity is a measure of the cloudiness of the water. We monitor it because it is a good indicator of the effectiveness of our filtration system.

AL = Action level
ND = Tested for, not detected
NS = No standard
NA = Not applicable
NTU = Nephelometric Turbidity Units. This is a measure of the clarity of water.
NTF = Not tested for
TT = Treatment technique
ppm = Parts per million = milligrams per liter (mg/L)
ppb = Parts per billion = micrograms per liter (ug/L)
MCL = Maximum contaminant level
pCi/L = PicoCuries per liter
umhos/cm = Micromhos per centimeter

DEFINITIONS

Maximum Contaminant Level (MCL): The highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the PHGs and MCLGs as economically or technologically feasible.
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 California EPA.
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.
Primary Drinking Water Standard (PDWS): MCLs for contaminants that affect health, along with their monitoring and reporting requirements, and water treatment requirements.