

# LAKEWAY MUNICIPAL UTILITY DISTRICT 2008 DRINKING WATER QUALITY REPORT

## Our drinking water is safe.

The Board of Directors and staff of Lakeway Municipal Utility District are dedicated to supplying safe and sufficient drinking water to our neighbors. That's important because we live and work here, too. We drink the water, and our children do, too.

Lakeway MUD is happy to share information about your drinking water. The Safe Drinking Water Act Amendments of 1996 require that we provide the information in this report that is based on tests conducted in 2008.

The District complied with all state and federal water quality standards, and the Texas Commission on Environmental Quality has confirmed the safety of our drinking water. Since our water meets federal standards, there may not be any health-based benefits to purchasing bottled water or point-of-use devices.



## Our water meets or exceeds standards.

Lakeway Municipal Utility District is a political subdivision of the State of Texas. Our drinking water is obtained from Lake Travis. **As the charts on these pages demonstrate, the District was in full compliance with the State of Texas and the EPA national primary drinking water regulations during the 12-month period covered by this report, and we continue to be in compliance.**

## Opportunities for input

For more information on our drinking water or any aspect of our operations, contact the District Office at 261-6222 or at [www.LakewayMUD.org](http://www.LakewayMUD.org) on the web.

Visit a meeting of the District Board of Directors at 9:30 a.m. on the second Wednesday of each month at the District Office, 1097 Lohmans Crossing.

*En Español - Este informe incluye información importante sobre el agua potable. Si tiene preguntas o comentarios sobre este informe en español, favor de llamar al tel. (512) 261-6222 para hablar con una persona bilingüe en español.*

### Lakeway Municipal Utility District Drinking Water

Tables on these pages contain chemical substances which have been found in our drinking water. USEPA requires water systems to test for 97 substances; some of those were detected in our water, and all were well below the maximums set by USEPA.

Inorganic Contaminants							
Contaminant	Average Level	Minimum Level	Maximum Level	MCL	MCLG	Unit	Source Of Contaminant
Barium (2004)	0.054	0.054	0.054	2.000	2.000	ppm	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
Chromium (2004)	1.2	1.2	1.2	100.0	100.0	ppb	Discharge from steel & pulp mills; erosion of natural deposits
Fluoride	0.8	0.3	1.5	4.0	4.0	ppm	Erosion of natural deposits; water additive which promotes strong teeth; discharge from aluminum & fertilizer factories
Nitrate	-	-	0.21	10.00	10.00	ppm	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits
Gross Beta Emitters (2005) (Radiochemical)	-	-	3.1	50.0	NA	pCi/L	Decay of natural and manmade deposits

Lead & Copper					
Contaminant (2007)	The 90th Percentile	Number Of Sites Exceeding Action Level	Action Level	Unit of Measure	Source Of Contaminant
Lead	1.600	0	15,000	ppb	Corrosion of household plumbing systems; erosion of natural deposits
Copper	0.114	0	1,300	ppm	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives

Disinfection By-Products						
Contaminant	Average Level	Minimum Level	Maximum Level	MCL	Unit of Measure	Source of Contaminant
Total Haloacetic Acids	21.00	14.80	25.30	60	ppb	By-product of drinking water disinfection
Total Trihalomethanes	46.70	41.80	49.50	80	ppb	By-product of drinking water disinfection

Unregulated Contaminants					
Contaminant	Average Level	Minimum Level	Maximum Level	Unit of Measure	Source of Contaminant
Bromoform, chloroform, dichlorobromomethane, and dibromochloromethane are disinfection byproducts. There is no maximum contaminant level for these chemicals at the entry point to distribution.					
Chloroform	22.15	13.80	29.90	ppb	By-product of drinking water disinfection
Bromoform	2.33	1.20	4.00	ppb	By-product of drinking water disinfection
Bromodichloromethane	8.78	6.70	10.90	ppb	By-product of drinking water disinfection
Dibromochloromethane	9.10	11.90	11.90	ppb	By-product of drinking water disinfection

## Turbidity

Turbidity has no health effects. However, turbidity can interfere with disinfection and provide a medium for microbial growth. Turbidity may indicate the presence of disease-causing organisms. These organisms include bacteria, viruses, and parasites that can cause symptoms such as nausea, cramps, diarrhea and associated headaches.

Contaminant	Highest Single Measurement	Lowest Monthly % of Samples Meeting Limits	Turbidity Limits	Unit of Measure	Source Of Contaminant
Turbidity	0.41	98.9%	0.30	NTU	Soil Runoff

## Total Organic Carbon (TOC)

TOC has no health effects. However, TOC can cause disinfection by-products with as yet unknown effects.

Contaminant	Highest Level	Lowest Level	Average Level	Unit of Measure	Source
Total Organic Carbon	3.5	3.1	3.3	ppm	Organic matter from runoff

## Disinfectant Residual

Disinfectant residuals are required to keep the water free from harmful microbial contaminants, levels below the Maximum Disinfectant Level (MRDL) have no known or expected health risks.

Disinfectant	Average Level	Minimum Level	Maximum Level	MRDL	MRDLG	Unit of Measure	Source
Chloramines	2.8	1.4	3.5	4.0	<4.0	ppm	Added during treatment to protect against microbial contaminants

## Secondary & Other Contaminants Not Regulated (No Associated Adverse Health Effects)

Year	Constituent	Average Level	Minimum Level	Maximum Level	Secondary Limit	Unit of Measure	Source
2004	Calcium	38.8	38.8	38.8	NA	ppm	Abundant naturally occurring element
2004	Hardness	184.0	184.0	184.0	NA	ppm	Naturally occurring in calcium and magnesium
2004	Magnesium	21.1	21.1	21.1	NA	ppm	Abundant naturally occurring element
2004	Sodium	22.0	22.0	22.0	300.0	ppm	Erosion of natural deposits; by-product of oil field activity
2007	Bicarbonate	173.0	173.0	173.0	NA	ppm	Corrosion of carbonate rocks such as limestone
2008	pH	7.7	7.5	8.2	7.0	Units	Measure of corrosivity in water
2008	Total Alkalinity	148.0	148.0	148.0	NA	ppm	Naturally occurring soluble mineral salts
2008	Total Dissolved Solids	259.0	259.0	259.0	1000.0	ppm	Total dissolved mineral constituents in water

**NOTE:** Fecal coliforms and total coliforms were not detected in 2008 samplings. We test for coliforms in ten different locations in our water distribution system each month. This verifies that our disinfection process is effective.

## KEY FOR TABLES

**MCL** (maximum contaminant level) = The highest permissible level of a contaminant in drinking water. MCLs are set as close to the MCLGs as feasible using the best available treatment technology.

**MCLG** (maximum contaminant level goal) = The level of a contaminant in drinking water below which there is no known or expected health risk. MCLGs allow for a margin of safety.

**MRDL** (maximum residual disinfectant level) = The highest level of disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.

**MRDLG** (maximum residual disinfectant level goal) = 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 contamination.

**pCi/L** = picocuries per liter (a measure of radioactivity)

**ppm** = parts per million or milligrams per liter.

**ppb** = parts per billion or micrograms per liter.

**ACTION LEVEL** = the concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.

**NTU (Nephelometric Turbidity Units)** =

A measure of turbidity. Turbidity is a measure of clarity of water; the lower, the better.

For more information about your drinking water:  
[www.lakewaymud.org](http://www.lakewaymud.org)

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U.S POSTAGE PAID  
Austin, Texas  
PERMIT NO. 1

www.LakewayMUD.org

## YOUR 2008 DRINKING WATER QUALITY REPORT

### Special Notice for the elderly, infants, cancer patients, people with HIV/AIDS or other immune problems...

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, persons 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. EPA/Centers for Disease Control and Prevention (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 (800-426-4791).

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 is available by calling the Environmental Protection Agency's Safe Drinking Water Hotline at 800-426-4791.



### TIPS FOR SUMMER WATER CONSERVATION

Water should always be used wisely. Because our area is drought-prone and because even the best-maintained water production and delivery facilities can fail, you may be required to take the following restrictive action during water shortages:

**Mild Conditions** - Voluntary watering twice per week between 7:00 p.m. and 10:00 a.m.

**Moderate Conditions** - Watering lawns restricted to twice weekly based on the last digit in your address between 7:00 p.m. and 10:00 a.m.

#### Residential

Odd numbered addresses: Wednesdays and Saturdays

Even numbered addresses: Thursdays and Sundays

#### Commercial

Tuesdays and Fridays

Washing of paved areas is not allowed.

**Severe Emergency Conditions** - All water use outside is prohibited. Watering of plants and shrubs and home car washing by bucket is permitted. Commercial or charitable car washing is not allowed.

When it becomes necessary to restrict water usage, all available media including Time Warner Cable, local television channels, Lakeway Radio 1620 AM, *Lake Travis View*, *Austin American Statesman*, Homeowners News, the District's web page ([www.lakewaymud.org](http://www.lakewaymud.org)) and bulletin boards at City Hall and the District Office will be utilized to notify customers of the condition in effect and the actions being triggered. If time permits, a special notice will be mailed to all customers regarding a severe emergency.