

2008 Lonestar and Summerset Annual Drinking Water Quality Report

**Inorganic Contaminants**

Year or Range	Contaminant	Average Level	Minimum Level	Maximum Level	MCL	MCLG	Unit of Measure	Source of Contaminant
2006	Barium	0.017	0.017	0.017	2	2	ppm	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits.
2006	Fluoride	0.2	0.2	0.2	4	4	ppm	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories.
2008	Nitrate	0.05	0.05	0.05	10	10	ppm	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits.
2006	Combines Radium 226 & 228	0.6	0.6	0.6	5	0	pCi/L	Erosion of natural deposits.
2006	Gross beta emitters	5.5	5.5	5.5	50	0	pCi/L	Decay of natural and man-made deposits.
2006	Gross alpha	3.3	3.3	3.3	15	0	pCi/L	Erosion of natural deposits .

**Organic Contaminants** Testing waived, not reported, or none detected

**Maximum Residual Disinfectant Level** System must complete and submit disinfection data on the Disinfection Level Quarterly Operating Report (DLQOR). On the CCR report, the system must provide must provide disinfectant type, minimum, maximum and average levels.

Year	Disinfectant	Average Level	Minimum Level	Maximum Level	MRDL	MRDLG	Unit of Measure	Source of Chemical
2008	Disinfectant used	Average level of CCR year's quarterly	Minimum results single sample	Maximum result single sample	4	<4.0	ppm	Disinfectant used to control microbes.

**Disinfection Byproducts** Not reported or none detected

**Unregulated Initial Distribution System Evaluation for Disinfection Byproducts** Waived or not yet sampled

**Unregulated Contaminants** Bromoform, chloroform, dichlorobromomethane, and dibromochloromethane are disinfection byproducts. There is no maximum contaminant level for these chemicals at the entry point to distribution.

Year or Range	Contaminant	Average Level	Minimum Level	Maximum Level	Unit of Measure	Source of Contaminant
2008	Chloroform	0.8	0.8	0.8	ppb	Byproduct of drinking water disinfection.

**Lead and Copper** **Turbidity** Not required

Year	Contaminant	The 90th Percentile	Sites Exceeding Action Level	Action Level	Unit of Measure	Source of Contaminant
2002	Lead	7.2	0	15	ppb	Corrosion of household plumbing systems; erosion of natural deposits.
2002	Copper	0.144	0	1.3	ppm	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives.

**Recommended Additional Health Information for Lead** All water systems are required by EPA to report the language below starting with the 2009 CCR to be delivered to you by July of 2010. We are providing this information now as a courtesy. "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. This water supply 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 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>."

**Total Coliform** Total coliform bacteria are used as indicators of microbial contamination of drinking water because testing for them is easy. While not disease-causing organisms themselves, they are often found in association with other microbes that are capable of causing disease. Coliform bacteria are more hardy than many disease-causing organisms; therefore, their absence from water is a good indication that the water is microbiologically safe for human consumption.

Year	Contaminant	Highest Monthly Number of Positive Samples	MCL	Unit of Measure	Source of Contaminant
2008	Total Coliform Bacteria	1	*	Presence	Naturally present in the environment.

**Fecal Coliform** Reported monthly tests found no fecal coliform bacteria \* **Two or more coliform found in any single month.** **Turbidity** Not required

Violations Type	Health Effects	Duration	Explanation	Steps to Correct
Routine Coliform Monitoring-Minor-Not Enough Routine Samples	We are required to monitor your drinking water for specific contaminants on a regular basis. Results of regular onitoring are an indicator of whether or not your drinking water meets health standards. During this compliance period, we did not correctly monitor, and therefore cannot be sure of the quality of your drinking water during that time.	3/1/2008 to 3/31/2008	TCEQ requires that 2 water samples be taken. Only one water sample was taken for this time period and it passed.	

**Secondary and Other Constituents Not Regulated** (No associated adverse health effects)

Year or Range	Constituent	Average Level	Minimum Level	Maximum Level	Secondary Limit	Unit of Measure	Source of Constituent
2006	Bicarbonate	187	187	187	NA	ppm	Corrosion of carbonate rocks such as limestone.
2006	Calcium	35.2	35.2	35.2	NA	ppm	Abundant naturally occurring element.
2006	Chloride	76	76	76	300	ppm	Abundant naturally occurring element; used in water purification; byproduct of oil field activity.
2006	Iron	0.163	0.163	0.163	0.3	ppm	Erosion of natural deposit; iron or steel water delivery equipment or facilities.
2006	Magnesium	5.1	5.1	5.1	NA	ppm	Abundant naturally occurring element.
2006	Manganese	0.0024	0.0024	0.0024	0.05	ppm	Abundant naturally occurring element.
2006	pH	7.1	7.1	7.1	>7.0	units	Measure of corrosivity of water.

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2006	Sodium	71	71	71	NA	ppm	Erosion of natural deposits; byproduct of oil field activity.
2006	Sulfate	2	2	2	300	ppm	Naturally occurring; common industrial byproducts; byproducts of oil field activity.
2006	Total Alkalinity as CaCO3	153	153	153	NA	ppm	Naturally occurring soluble minerals salts.
2006	Total Dissolved Solids	304	304	304	1000	ppm	Total dissolved mineral constituents in water.
2006	Total Hardness as CaCO3	108	108	108	NA	ppm	Naturally occurring calcium.