

Lone Pine Water Supply Corporation

Consumer Confidence Report – 2012 – PWS ID Number TX0010021

Information Specific to Your Community Public Water System

Annual Water Quality Report for the period of January 1 to December 31, 2012.

This report is intended to provide you with important information about your drinking water and the efforts made by the water system to provide safe drinking water. Lone Pine WSC is groundwater.

In order to ensure that tap water is safe to drink, the EPA prescribes regulations that limit the amount of certain contaminants in the water provided by public water systems. Food and Drug Administration regulations establish limits for contaminants in bottled water that must provide the same protection for public health. 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 water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the EPA's Safe Drinking Water Hotline at (800) 426-4791.

For more information regarding this report contact:

Deborah Ledoux, Office Manager 903-729-9660 or Donald Sloan, Operator 903-724-3090

Este reporte incluye informacion importante sobre el agua para tomar. Para asistencia en espanol, favor de llamar al telefono 903-729-9660.

Special Notice

Immuno-compromised persons such as persons with cancer, undergoing chemotherapy, persons who have undergone organ transplants, people 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/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).

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. We 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>.

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 human activity. Contaminants that may be present in source water include – **Microbial contaminants**, such as viruses and bacteria, which may come from sewage treatment plants, septic systems, agricultural livestock operations, and – **Inorganic contaminants**, such as salts and metals, which 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 –**Organic chemical contaminants**, including synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum production, and can also come from gas stations, urban storm water run-off, and septic systems. –**Radioactive Contaminants**, which can be naturally-occurring or be the result of oil and gas production and mining activities.



Many constituents (such as calcium, sodium, or iron) which are often found in drinking water, can cause taste, color, and odor problems. The taste and odor constituents are called secondary constituents and are regulated by the State of Texas, not the EPA. These constituents are not causes for health concern. Therefore, secondaries are not required to be reported in this document but they may greatly affect the appearance and taste of your water.

Source(s) of Water

Type(s) of water: Groundwater from the Carrizo and Wilcox aquifers located in Anderson County, Texas.

Source Water Assessment Protection

A Source Water Susceptibility Assessment for your drinking water sources(s) is currently being updated by the Texas Commission on Environmental Quality. This information describes the susceptibility and types of constituents that may come into contact with your drinking water source based on human activities and natural conditions. The information contained in the assessment allows us to focus source water protection strategies.

For more information about your sources of water, please refer to the Source Water Assessment Viewer available at the following URL: <http://gis3.tceq.state.tx.us/Controller/index.jsp?wtrsrc=>

Further details about sources and source water assessments are available in Drinking Water Watch at the following URL: <http://dww.tceq.texas.gov/DWW/>

Definitions

Treatment technique (TT): A required process intended to reduce the level of a contaminant in drinking water.

Action level (AL): The concentration of a contaminant which, if exceeded, triggers treatment or other requirements that a water system must follow.

Information on Detected Contaminants

The data presented in this report is from the most recent testing done in accordance with the regulations.

Water Quality Test Results

Maximum Contaminant Level Goal or MCLG: The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLG's allow for a margin of safety.

Maximum Contaminant Level or MCL: The highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible using the best available treatment technology.

Maximum residual disinfectant level goal or MRDLG: 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 contaminants.

Maximum residual disinfectant level or MRDL: The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.

MFL: million fibers per liter (a measure of asbestos)

mrem/year: millirems per year (a measure of radiation absorbed by the body)

NTU: nephelometric turbidity units (a measure of turbidity)

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

Avg: Regulatory compliance with some MCLs are based on running annual average of monthly samples.

ppm: milligrams per liter or parts per million (mg/L) – or one ounce in 7,350 gallons of water.

ppb: micrograms per liter or parts per billion – or one ounce in 7,350,000 gallons of water.

ppt: parts per trillion, or nanograms per liter (ng/L)

ppq: parts per quadrillion, or pictograms per liter (pg/L)

na: not applicable.

Definitions: The following tables contain scientific terms and measures, some of which may require explanation.

Chlorine

Year	Disinfectant	Avg Level of CCR year's quarterly	Lowest Result of a Single Sample	Highest Result of a Single Sample	Maximum Residual Disinfectant Level/unit of Measure	Likely Source of Contamination
2012	Chlorine	1.39	1.06	1.80	4.00/ppm	Disinfectant used to control microbes.

Inorganic Contaminants

Name of Inorganic Contaminant	Collection Date	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Unit of MCLG and MCL	Was This a Violation ?	Likely Source of Contamination
Barium	9/09/2009	0.014	0.014-0.014	2	2	ppm	N	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits.
Fluoride	2012	.18	0.18-0.18	4	4	Ppm	N	Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from fertilizer and aluminum factories.
Radioactive Contaminants	Collection Date	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Units	Violation	Likely Source of Contamination
Combined Radium 226/228	2012	1	1-1	0	5	ppm	N	Erosion of natural deposits
Synthetic organic contaminants including pesticides	Collection Date	Highest Level Detected	Range of Level Detected	MCLG	MCL	Units	Violation	Likely source of contamination.
Di (2-ethylhexyl) phthalate	5/4/2010	1.18	0-1.18	0	6	ppb	N	Discharge from rubber and chemical factories

Not all sample results may have been used for calculating the Highest Level Detected because some results may be part of an evaluation to determine where compliance sampling should occur in the future.

Volatile Organic Contaminants

Name of Organic Contaminant	Collection Date	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Unit of MCLG and MCL	Was This a Violation?	Likely Source of Contamination
Ethylbenzene	09/09/2009	1.45	1.45-1.45	700	700	ppb	N	Discharge from petroleum refineries.
Xylenes	09/09/2009	.00449	0.00449-0.00449	10	10	ppm	N	Discharge from petroleum factories; Discharge from chemical factories.

Disinfectants and Disinfection By-Products

Some people who drink water containing trihalomethanes in excess of the MCL over many years may experience problems with their liver, kidneys, or central nervous systems, and may have an increased risk of getting cancer.

Name of Disinfectants and Disinfection By-Products	Collection Date	Highest Level Detected	Highest Locational Running Annual Average	Range of Levels Detected	MCLG	MCL	Units	Was This a Violation?	Likely Source of Contamination
Haloacetic acids (HAA5)	05/04/2010	4.5	n/a	3.9-4.5	No goal for the total	60	ppb	N	By-product of drinking water disinfection.
TTHMs (Total trihalomethanes)	05/04/2010	13.7	n/a	13.2-13.7	No goal for the total	80	ppb	N	By-product of drinking water disinfection.

Not all sample results may have been used for calculating the Highest Level Detected because some results may be part of an evaluation to determine where compliance sampling should occur in the future.

Lead and Copper

Lead or Copper	Year	The 90th Percentile Value of the Most Recent Round of Sampling	Number of Sites Exceeding Action Level	Action Level	Unit of Measure	Was This a Violation?	Source of Contaminant
Lead	7/07/2009	2.5	0	15	ppb	N	Corrosion of household plumbing systems; Erosion of natural deposits.
Copper	07/07/2009	0.223	0	1.3	ppm	N	Corrosion of household plumbing systems; Erosion of natural deposits.

Opportunity for public participation in decisions that may affect the quality of the water is available at regularly scheduled board meetings held the third Monday of each month at Lone Pine Baptist Church, 299 N US Hwy 287 Palestine, TX at 5:30 PM.