

2013

LAMONT PUBLIC UTILITY DISTRICT

CONSUMER CONFIDENCE REPORT

En Espanol

This report includes important information about your drinking water. To receive a copy of this information in Spanish please call; (661) 845-1213.

Este reporte incluye información importante sobre su agua potable. Tradúzcalo o hable con alguien que lo entienda bien. Para obtener una copia de esta información o traducir en español, Llame a (661) 845-1213.

This is the annual *Consumer Confidence Report* on the quality of water delivered to you by the Lamont Public Utility District (LPUD). The LPUD Board of Directors makes every effort to ensure that we deliver a clean healthful product. Lamont Public Utility District routinely monitors for contaminants in your drinking water according to Federal and State

laws. The test results are shown in the following pages.

Should you have any questions, please call Rolando Marquez, Water System Supervisor or Nick Turner, General Manager, at (661) 845-1213.



Where Does Our Water Come From?

The sources of supply for the Lamont Public Utility District are seven active wells identified as Improvement District (ID) #5, #11, #12, #13, #15, #17 and #18. Continuous chlorination is provided to the water produced from each active supply source. The water is pulled from a deep aquifer at depths of approximately 300-900 ft.

Did You Know?

All 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 can be obtained by calling the Environmental Protection Agency's Safe Drinking Water Hotline at 1-800-426-4791.



Some people may be more vulnerable to contaminants in drinking water than the general population.

Immune 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 the health care providers. USEPA/Centers for Disease Control (CDC) guidelines on appropriate means to lessen the risk of infection are available from the Safe Drinking Water Hotline at 1-800-426-4791.

Contaminants That May Be Present in Source Water

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 some source waters 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 that are by products 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 to be the result of oil and gas production, or mining activities.

In order to ensure that tap water is safe to drink, USEPA and the State Department of Public Health 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. The department requires us to monitor for certain contaminants less than once per year because the concentrations of these contaminants are not expected to vary significantly from year to year. Some of the data, though representative of the water quality, are more than one year old.

The Board of Directors meets the fourth Monday of each month at 8624 Segrue Road in Lamont at 6:00pm. If you have any questions please call our office at 661-845-1213.

The tables on the following pages show the results of our monitoring for the period of January 1 to December 31, 2013.

Abbreviations and Definitions:

<u>PHG or MCLG</u>	<u>Public Health Goal</u> or <u>Maximum Contaminant Level Goal</u> , The level of a contaminant in drinking water below which there is no known or expected risk to health. The California Environmental Protection Agency sets PHGs.		
<u>MCL</u>	<u>Maximum Contaminant Level</u> . The highest level of a contaminant that is allowed in drinking water. The United States Environmental Protection Agency (USEPA) and the State Department of Public Health set MCLs. 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.		
<u>AL</u>	<u>Regulatory Action Level</u> . The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.		
<u>PDWS</u>	<u>Primary Drinking Water Standards</u> . MCLs for contaminants that affect health along with their monitoring and reporting requirements, and water treatment requirements.		
<u>SDWS</u>	<u>Secondary Drinking Water Standards</u> . MCLs for contaminants that affect taste, odor, or appearance of the drinking water. Contaminants with SDWSs do not affect the health at the MCL levels.		
<u>ppm</u>	parts per million or milligrams per liter (mg/l)	N/A	not applicable
<u>ppb</u>	parts per billion or micrograms per liter (µg/L)	ND	not detectable at testing limit
<u>pci/L</u>	pico Curies per liter (a measure of radiation)	NS	no standard
<u>ppt</u>	parts per trillion	NL	notification level

SAMPLING RESULTS SHOWING THE DETECTION OF COLIFORM BACTERIA

Microbiological Contaminants	Number of Samples collected in 2013	Number of Detections in 2013	Highest Number of Detections in one month	Number of Months in Violation	MCL	MCLG / PHG	Typical Source of Bacteria
*Total Coliform Bacteria	265	0	0	0	More than one sample in a month with a detection	0	Naturally present in the environment

* Coli forms are bacteria that are naturally present in the environment and are used as an indicator that other, potentially-harmful, bacteria may be present. Coliform sampling is performed weekly.

DETECTION OF CONTAMINANTS WITH A PRIMARY DRINKING WATER STANDARD

Constituent Detected	Average Level Detected	Range of Detection	MCL	(MCLG) PHG	Typical Source of Contaminant
Nitrate (ppm) Tested in 2013	13.37	2.0-42	45	45	Runoff and leaching from fertilizer use; leaching from septic tanks and sewage; erosion of natural deposits
Gross Alpha (pCi/l) Tested from 2008 to 2012	2.83	ND-5.68	15	(0)	Erosion of natural deposits
Dibromochloropropane (DBCP) (ppt) Tested from 2011 to 2013	11	ND-44	200	1.7	Banned nematocide that may still be present in soils due to runoff/leaching from former use on soybeans, cotton, vineyards, tomatoes and tree fruit
Total Trihalomethanes (ppb) Tested 2013	2.4	ND-9.6	80	N/A	By-product of drinking water chlorination
*Arsenic(ppb) Tested from 2011 to 2013	6.74	2.9-11	10	0.004	Erosion of naturally occurring deposits
Chlorine Residual (ppm) Tested in 2013	1.05	0.93-1.32	4	4	Drinking water disinfectant added for treatment
Perchlorate (ppb) Tested in 2012	ND	ND	6	6	Perchlorate is an inorganic chemical often used in solid rocket propellant, fireworks, explosives, flares matches, and a variety of industries.
Radium 228 (pCi/l) Tested from 2008 to 2012	ND	ND	5	(0)	Erosion of natural Deposits

Arsenic above 10 ppb up to 50 ppb: Some people who drink water, containing arsenic in excess of the MCL over many years could experience skin damage or problems with their circulatory system, and may have an increased risk of getting cancer. We are working with AECOM to evaluate the water supply and researching options to correct the problem. We hope to begin construction of a secondary well in 2014 to be able to blend with Well 12.

***During 2013, Well No. 12 exceeded the Arsenic MCL of 10.0 ppb.**

Nitrate: Nitrate in drinking water at levels above 45 mg/L is a health risk for infants of less than six months of age. Such nitrate levels in drinking water can interfere with the capacity of the infant's blood to carry oxygen, resulting in a serious illness; symptoms include shortness of breath and blueness of the skin. Nitrate levels above 45 mg/L may also affect the ability of the blood to carry oxygen in other individuals, such as pregnant women and those with certain specific enzyme deficiencies. If you are caring for an infant, or you are pregnant, you should ask advice from your health care provider.

DETECTION OF CONTAMINANTS WITH A SECONDARY DRINKING WATER STANDARD

Constituent Detected	Average Level Detected	Range of Detection	MCL	MCLG/PHG	Typical Source of Contaminant
Total Hardness (ppm)	214	130-280	N/A	N/A	N/A
Calcium (ppm)	63	39-83	N/A	N/A	N/A
Fluoride (ppm)	0.27	0.19-0.35	2	1.0	Erosion of natural deposits
Sodium	59	42-86	N/A	N/A	N/A
Copper (ppm)	2.15	ND-7.1	1.0	N/A	Erosion of natural deposits
Iron (ppb)	35	ND-150	300	N/A	Leaching from natural deposits

This data was collected in 2011; the next round of sampling begins in 2014.

RESULTS OF LEAD AND COPPER SAMPLING 2013

Constituent	No. of Samples Collected	90 th Percentile	AL	MCLG/PHG	Typical Source of Contaminant
Lead (ppb)	30	8.6	15	0.2	Internal corrosion of household water plumbing systems
Copper (ppm)	30	0.15	1.3	0.3	Internal corrosion of household water plumbing systems; leaching from wood preservatives

Infants and young children are typically more vulnerable to lead in drinking water than the general population. It is possible that lead levels at your home may be higher than at other homes in the community as a result of materials used in your home's plumbing. If you are concerned about elevated lead levels in your home's water, you may wish to have your water tested and/or flush your tap for 30 seconds to 2 minutes before using tap water. Additional information is available from the USEPA Safe Drinking Water Hotline (1-800-426-4791).

UNREGULATED CONTAMINANTS: 1, 2, 3-TRICHLOROPROPANE SAMPLING IN 2013

Constituent Detected	Average level detected	Range of Detection	(NL)	MCLG / (PHG)	Typical Source of Contaminant
1,2,3-Trichloropropane (1,2,3 TCP) (ppt)	26	ND-76	5	0.7	1,2,3-Trichloropropane is a pesticide that may still be present in soils due to runoff/leaching; various industrial uses

1,2,3-Trichloropropane: "Some people who use water containing 1,2,3-trichloropropane (TCP) in excess of the notification level over many years have an increased risk of getting cancer, based on studies in laboratory animals."

Source Water Assessment: A source water assessment was conducted for the Lamont Public Utility District in December 2001. Other than those listed in this document, no contaminants have been found, however the system is considered most vulnerable to the following activities.

Septic systems (high density)--Fertilizer, Pesticide, and Herbicide application--Sewer collection systems

Upon request, the Source Water Assessment report, by the Department of Health Services, Division of Drinking Water Field Operations, Visalia District, may be viewed at the offices of Lamont PUD or a copy may be requested.