

ONGOING MAINTENANCE & IMPROVEMENT PROGRAMS

Residents in our District may observe several ongoing projects which are part of LFPWD's scheduled activities to ensure a reliable supply of quality water now and in the future:

- ◆ Each month samples are collected from seven sample stations throughout the District. These samples are tested by AM Test Inc., an independent laboratory, for any bacterial contaminants.
- ◆ Annual flushing of water mains ensures that mineral sediments like iron and manganese oxides do not accumulate in the pipes. On occasion customers may notice sediments in the tap while flushing is underway. These are not hazardous to your health.
- ◆ Water meters require periodic replacement to ensure accurate operation. We replace a percentage of all meters each year. If your meter is scheduled for replacement we will attempt to contact you before any service interruption.



- ◆ Reservoirs are cleaned, disinfected and maintained on a periodic basis. The District's 200,000-gallon "High Zone" standpipe reservoir will be re-painted in the coming year and mixing baffles will be installed to promote circulation.
- ◆ The District is implementing a long-term plan to replace old steel pipes with ductile iron pipe, which is more resistant to rust and leaks. You may on occasion see our crews working on pipe replacement. The District recently constructed a new watermain along Lakeview Lane. All new water mains are disinfected, flushed and sampled before they are put into service.
- ◆ Upgrades have been made to our pumping and control facilities located in the District's wellhead protection area.
- ◆ Customers are encouraged to stop in and review the District's Comprehensive System Plan which outlines all planned improvements.



LAKE FOREST PARK WATER DISTRICT



ANNUAL WATER QUALITY REPORT  
JUNE 2008

KEEPING YOU INFORMED!

WHAT'S IN THIS REPORT?

This report contains information on the quality of your drinking water for the calendar year 2007. Your water meets all safety requirements. If you have any questions or comments please call Lake Forest Park Water District at (206) 365-3211.

WHERE DOES YOUR WATER COME FROM?

Lake Forest Park Water District (LFPWD) water comes from two well fields, located on District owned acreage in the northern end of the community. There are eight artesian aquifer wells less than 30 feet deep that produce a combined flow of around 100 gallons per minute (gpm) and three drilled wells that are over 200 feet deep and pump up to 800 gallons a minute. LFPWD pumps water from the wells to two steel reservoirs with a combined capacity of 440,000 gallons. The system uses an average of 277,000 gallons per day and during hot summer days that figure can rise up to 775,000 gallons per day. Through conservation and leak repairs our usage has been reduced substantially in recent years. Interested customers are welcome to receive a full field tour of our production facilities. Just call the District office to arrange your visit.

PROTECTING OUR WATER SOURCES

Our District is very protective of its water sources and our first defense is the careful attention of our customers and neighbors to activities near our wellhead protection area. We encourage residents that are in the groundwater recharge zone to avoid commercial fertilizers and all synthetic pesticides and herbicides as these have the potential to enter our aquifer.

We also have a Wellhead Protection Program and are covered by the Ground Water Contamination Susceptibility Assessment Survey. Our artesian wellfield is classified as "highly susceptible" while the deep well field is rated as moderately susceptible, based on the depth of the wells. From a groundwater protection standpoint, the wellhead area is considered relatively safe from contamination because there are limited potential sources of contamination in the watershed. The District owns and controls around 12 acres of land immediately surrounding the wells. Access is limited via a locked gate.

CONTACT INFORMATION

**LAKE FOREST PARK WATER DISTRICT**  
F. Alan Kerley, District Water Manager  
4029 N.E. 178<sup>th</sup> St. Lake Forest Park, WA 98155

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e-mail: office@lfpwd.org

District web address has ongoing information and news: <http://www.lfpwd.org>

Washington State Department of Health  
Environmental Protection Agency  
Safe Drinking Water Hotline

Website: [www.doh.wa.gov/gov/ehp/dw](http://www.doh.wa.gov/gov/ehp/dw)  
Website: [www.epa.gov/safewater](http://www.epa.gov/safewater)  
Phone: 1-800-426-4791  
e-mail: [hotline-sdwa@epamail.epa.gov](mailto:hotline-sdwa@epamail.epa.gov)

**Participate in District Board Meetings! The District's Board of Commissioners has regular meetings on the third Monday of each month at 9:00 AM in the District office on 178<sup>th</sup> Street. We invite any interested resident to participate in these meetings.**

WATER CONTENT AND TREATMENT

WATER QUALITY TESTING

The State Department of Health and the EPA require water purveyors to sample their water on a regular basis to ensure its safety. Specific testing requirements are established by the Department of Health (DOH) for each water purveyor, based on their risk assessment for each contaminant. Because of this, many tests are infrequent for reason of economy. Our District is required to test for bacterial contamination three times per month. To insure high quality water the District actually averages 15 bacterial tests per month.

Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The laboratory detection of these substances does not necessarily indicate that water poses a health risk. For this reason, State and Federal guidelines have suggested a Maximum Contaminant Level (MCL) for most substances found in water. The tables shown below compare the detected values with MCL for current test results.

Contaminant	Violation Y/N	Last Sample In Period	Average Value	Maximum Value	Unit of Measurement	MCLG	MCL	Likely Source of Contamination
<b>Microbiological/Physical Contaminants</b>								
Coliform Bact	N	12/27/2006	0.0	0.0	% Positive	0	5	May indicate exposure to pathogens
Turbidity	N	4/16/2004	0.72	0.72	NTU	n/a	5	Suspended Mineral deposits
<b>Inorganic Contaminants</b>								
Arsenic	N	4/16/2004	2.5	3	ppb	n/a	50	runoff from glass and electronics production wastes
Fluoride	N	4/16/2004	0	0	ppm	4	4	Erosion of natural deposits, water additive, discharge from fertilizer and aluminum factories
Lead	N	12/5/2005	2.80	6.00	ppb	0	15	Corrosion of household plumbing systems
Nitrate	N	4/12/2006	1.13	2.60	ppm	10	10	Runoff from fertilizer use, leaching from septic tanks, sewage, erosion

Source: raid-2\Water Quality\CCR\CCR.XLS

The District staff and commissioners are committed to meeting the most stringent and most recent regulatory standards. At the same time we recognize our customers long standing appreciation and general desire for naturally pure, chemical-free water. We will do our best to continue to meet this expectation.

RESULTS OF LEAD AND COPPER SAMPLING AT RESIDENTIAL WATER TAPS

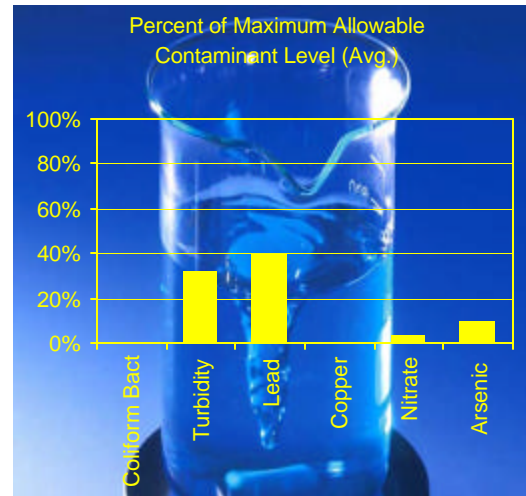
Lead and copper monitoring is conducted as directed in ten homes categorized as high risk. The District tests high risk homes under worst case conditions and none of the tests have exceeded the allowable level for lead or copper. Customers who are concerned about the lead levels may contact the District to arrange a sample test.

Variable	90th Percentile Values	No. of Sites Exceeding Action Levels*	Maximum Contaminant Level (MCL)	Maximum Contaminant Level Goal (MCLG)	Source of Contaminant
Copper	ND	All sample results were below the Action Level	Exceeds Action Level if more than 10% of the homes tested have copper levels greater than 1.3 parts per million	1.3 parts per million Treatment technique required	Corrosion of plumbing systems
Lead	4.6 parts per billion	None of the 10 site samples taken in 2002 exceeded the Action Level	Exceeds Action Level if more than 10% of the homes tested have lead levels greater than 15 parts per billion	Zero parts per billion	Corrosion of plumbing systems

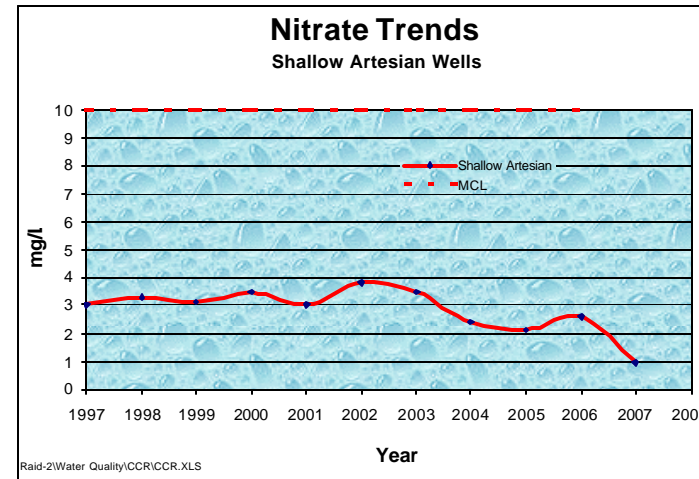
face of more stringent requirements. The Total Coliform Rule requires water systems to meet a strict limit for coliform bacteria all the way to the customer connection. Coliform bacteria are usually harmless, but their presence in water can be an indication of disease-causing bacteria. If coliform bacteria are found, special follow-up tests are done to determine if harmful bacteria are present in the water supply.

If this happens, we will notify the public by written notice, newspaper, television or radio. To comply with the stricter regulation while still maintaining chlorine free water, we have installed automated standby chlorination equipment which can be used immediately in the event of contamination with harmful bacteria.

LFPWD customers and many residents of the surrounding communities have come to appreciate our long tradition of naturally pure, un-chlorinated water. We have resolved to continue this tradition even in the



The District has been closely tracking nitrate level trends in our Artesian well source. (see graph below) Nitrate levels remain well below the MCL.



We appreciate the careful attention of residents in our ground water recharge area who are voluntarily avoiding the use of commercial fertilizers and chemicals to protect our water source.

Our water is not fluoridated. Families with growing children may contact their dentist regarding the use of fluoride supplements such as fluoride containing toothpaste. The District water is tested for arsenic in accordance with federal guidelines but levels remain within guidelines.

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised people such as those undergoing chemotherapy, people 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 from their health care providers about drinking water. EPA/CDC guidelines on appropriate means to lessen the risk of infection by microbial contaminants are available from the Safe Drinking Water Hotline (1-800-426-4791).

CONSERVATION TIPS



Lake Forest Park Water District has an excellent supply of pure well water. Nevertheless, water conservation helps to stretch our existing supplies and saves you money. Most homes can conserve water without any significant change in life-style. Here are some tips that will help you make a difference:

- ◆ Take shorter showers and avoid running the water while you brush your teeth.
- ◆ Wash full loads of laundry and dishes.
- ◆ Replace water-using appliances with newer water saving models.
- ◆ Repair all plumbing leaks promptly. This is especially important in older homes. A frequent source of water loss is the service line.
- ◆ Water your lawn early in the morning or consider letting your lawn go dormant in the summer.
- ◆ Repair any leaking pipes or malfunctioning sprinkler heads on your irrigation system.

Table Definitions

**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 allow for a large margin of safety.

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

**Nephelometric Turbidity Unit – NTU**  
The unit of measurement for turbidity. Turbidity is caused by suspended sediments in water.

**Parts per million - ppm or Milligrams per liter – mg/l**  
One part per million corresponds to one minute in two years or a single penny in \$10,000.

**Parts per billion - ppb or Micrograms per liter -mg/l**  
One part per billion corresponds to one minute in 2,000 years, or a single penny in \$10,000,000.

**Action Level (AL) -** The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.