



**LAFAYETTE UTILITIES SYSTEM
TYPICAL WATER ANALYSIS**
November 2007

Typical Water Analysis

While producing an average of 20 million gallons per day, Lafayette Utilities System (LUS) has provided safe, clean drinking water for more than 100 years. In fact, we have never had a single violation of drinking water regulations and have always strived to plan and execute the leading strategies and technologies to bring our customers quality drinking water.

LUS goes beyond simply complying with regulations. We take extra steps to ensure that water delivered to our customers is safe, good tasting, clean and meets our higher standards.

As you read through the November 2007 Typical Water Analysis, if you need additional information, or would like something clarified, please call Don Broussard, LUS Water Operations Manager, at (337) 291-5901 or email askus@lus.org. You can also obtain a copy of the LUS 2006 Water Quality Report at <http://www.lus.org/site26.php>.

Where Does LUS Water Come From?

The LUS water source is the Chicot Aquifer, a large, natural underground “lake” in southwest Louisiana. It is a stable, plentiful, and protected fresh water supply. Once water reaches the plants, it is cleaned through a three-stage process that includes (1) softening, (2) filtering and (3) disinfecting before it reaches our customers’ taps.

Definitions

Maximum Contaminant Level (MCL) is the highest level of a contaminant that is allowed in drinking water.

Parts per million (ppm): equivalent to one inch in 15.78 miles; equivalent to one second in 11.57 days.

**National Primary Drinking Water Regulations (NPDWRs or primary standards)* are legally enforceable standards that apply to public water systems. Primary standards protect public health by limiting the levels of contaminants in drinking water.

***National Secondary Drinking Water Regulations (NSDWRs or secondary standards)* are non-enforceable guidelines regulating contaminants that may cause cosmetic effects (such as skin or tooth discoloration) or aesthetic effects (such as taste, odor, or color) in drinking water. EPA recommends secondary standards to water systems but does not require systems to comply. However, states may choose to adopt them as enforceable standards.

****Unregulated Contaminants* are contaminants which, at the time of publication, are not subject to any proposed or promulgated national primary drinking water regulation (NPDWR), are known or anticipated to occur in public water systems, and may require regulations under SDWA.

<i>Lafayette Utilities System Treated Water November, 2007</i>		
<i>Substance</i>	<i>LUS Average</i>	<i>MCL</i>
Aluminum**	0.107 ppm	0.2 ppm
Calcium***	29 ppm	***
Free Chlorine Residual*	1.20 ppm	4.0 ppm
Copper*	nondetected	1.3 ppb
Fluoride**	0.18 ppm	4 ppm
Iron**	0.044 ppm	0.3 ppm
Lead*	nondetected	0.001 ppm
Magnesium***	11 ppm	***
Manganese**	0.007 ppm	0.05 ppm
Methyl tertbutyl ether (MTBE)***	nondetected	***
Nitrate	nondetected	10 ppm
Nitrite*	nondetected	1 ppm
pH**	8.29 SU	6.5-8.5 pH Units
Silica***	30.3 ppm	***
Sodium***	26.6 ppm	***
Total Alkalinity***	135 ppm	***
Total Dissolved Solids**	208 ppm	500 ppm
Total Hardness***	118 ppm	***
Total Organic Carbon***	nondetected	***
Total Phosphate***	0.33 ppm	***
Total Trihalomethanes*	0.010 ppm	0.060 ppm
Turbidity***	0.33 NTU	***