

# Leoma Utility District Water Quality Report 1999

## Is my drinking water safe?

Yes, our water meets all of EPA's health standards. We have conducted numerous tests for over 80 contaminants that may be in drinking water. As you'll see in the chart on the back, we only detected 6 of these contaminants. We found all of these contaminants at safe levels.

## What is the source of my water?

Your water, which is ground water, comes from one well located at 195 Old Florence Pulaski Road. Our goal is to protect our water from contaminants and we are working with the State to determine the vulnerability of our water supply to contamination. A well head protection plan is available for your review by contacting Terry Robbins at 931-852 4940 between 7:00 P.M. to 9:00 P.M. weekdays.

## Why are there contaminants in my water?

Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. Community water systems are required to disclose the detection of contaminants; however, bottled water companies are not required to comply with this regulation. 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 Environmental Protection Agency's Safe Drinking Water Hotline (800-426-4791).

**For more information about your drinking water, please call Terry Robbins at 931-852-2047.**

**Este informe contiene información muy importante. Tradúscalo o hable con alguien que lo entienda bien.**

## How can I get involved?

Our Water Board meets regularly. Please watch your bill for time and location to participate in these meetings.

## Is our water system meeting other rules that govern our operations?

The State and EPA require us to test and report on our water on a regular basis to ensure its safety. We have met all of these requirements. We want you to know that we pay attention to all the rules.

## Other Information

Due to all water containing dissolved contaminants, occasionally your water may exhibit slight discoloration. We strive to maintain the standards to prevent this. We at Leoma Utility District work around the clock to provide top quality

water to every tap. We ask that all our customers help us protect our water sources, which are the heart of our community, our way of life and our children's future.

## DO I NEED TO TAKE SPECIAL PRECAUTIONS?

Some people may be more vulnerable to contaminants in drinking water than the general population. 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 not only their drinking water, but food preparation, personal hygiene, and precautions in handling infants and pets from their health care providers. EPA/CDC guidelines on appropriate means to lessen the risk of infection by *Cryptosporidium* and other microbiological contaminants are available from the Safe Drinking Water Hotline (800-426-4791).



# Water Quality Data

## What does this chart mean?

- **MCLG** - Maximum Contaminant Level Goal, or the level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.
- **MCL** - Maximum Contaminant Level, or 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. To understand the possible health effects described for many regulated constituents, a person would have to drink 2 liters of water every day at the MCL level for a lifetime to have a one-in-a-million chance of having the described health effect.
- **AL** - Action Level, or the concentration of a contaminant which, when exceeded, triggers treatment or other requirements which a water system must follow.
- **Non-Detects (ND)** - laboratory analysis indicates that the contaminant is not present.
- **Parts per million (ppm) or Milligrams per liter (mg/l)** – explained as a relation to time and money as 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** - explained as a relation to time and money as one part per billion corresponds to one minute in 2,000 years, or a single penny in \$10,000,000.
- **Nephelometric Turbidity Unit (NTU)** - nephelometric turbidity unit is a measure of the clarity of water. Turbidity in excess of 5 NTU is just noticeable to the average person.
- **TT** - Treatment Technique, or a required process intended to reduce the level of a contaminant in drinking water.

| Contaminant             | Violation Yes/No | Level Detected | Range of Detections | Date of Sample | Unit Measurement | MCLG | MCL                 | Likely Source of Contamination  |
|-------------------------|------------------|----------------|---------------------|----------------|------------------|------|---------------------|---|
| Total Coliform Bacteria | N                | 0              |                     | 1999           |                  | 0    | <2 positive samples | Naturally present in the environment  |
| Turbidity <sup>1</sup>  | N                | .08            |                     | 1999           | NTU              | n/a  | TT                  | Soil runoff   |
| Copper                  | N                | .247           |                     | 11/96          | ppm              | 1.3  | AL=1.3              | Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives                    |
| Fluoride                | N                | .18            |                     | 7/99           | ppm              | 4    | 4                   | Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories |
| Lead                    | N                | 4              |                     | 11/96          | ppb              | 0    | AL=15               | Corrosion of household plumbing systems, erosion of natural deposits  |
| Nitrate (as Nitrogen)   | N                | 1.6            |                     | 11/99          | ppm              | 10   | 10                  | Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits                               |
| Sodium                  | N                | 9.5            |                     | 7/99           | ppm              | N/A  | N/A                 | Erosion of natural deposits; used in water treatment  |

**Iron:** Iron occurs naturally in our raw water and occasionally accumulates in the distribution system. Iron shows up as “red” or “rusty” water at your tap. Although you do not want to drink water that is not clear, iron is not considered to be a hazard to your health.

During the most recent round of Lead and Copper testing, only 0 out of 10 households sampled contained concentrations exceeding the action level.

<sup>1</sup>100% of our samples were below the turbidity limit.