2003 Drinking Water Quality Report

RRA - RINGGOLD WATER SYSTEM

Red River Authority of Texas
900 8th Street, Suite 520
Wichita Falls, Texas 76301
940/723-8697

OUR DRINKING WATER MEETS OR EXCEEDS ALL FEDERAL (EPA) DRINKING WATER REQUIREMENTS

This report is a summary of the quality of the water we provide our customers. The analysis was made by using the data from the most recent U.S. Environmental Protection Agency (EPA) required tests and is presented in the attached pages. We hope this information helps you become more knowledgeable about what's in your drinking water.

Special Notice for the ELDERLY, INFANTS, CANCER PATIENTS, people with HIV/AIDS or other immune problems:

Some people may be more vulnerable to contaminates 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 drinking water from their health care providers. EPA/Centers for Disease Control and Prevention (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).

En Espanol

Este reporte incluye informacion importante sobre el aqua para tomar. Si tiene preguntas o' discusiones sobre este reporte en espanol, favor de llamar al tel. (940) 723-8697 par hablar con una persona bilingue en espanol.

Where do we get our drinking water?

The **RRA-Ringgold Water System** utilizes ground water from the Trinity aquifer. The ground water is produced through Authority owned wells located approximately three miles east of Ringgold in Montague County, Texas. The Texas Commission on Environmental Quality (TCEQ) has completed a Source Water Susceptibility Assessment for your drinking water source(s). This report 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 this assessment will allow us to focus our source water protection activities.

ALL DRINKING WATER MAY CONTAIN CONTAMINANTS

When drinking water meets federal standards there may not be any health based benefits to purchasing bottled water or point of use devices. 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 Environmental Protection Agency's Safe Drinking Water Hotline (800) 426-4791).

PUBLIC PARTICIPATION OPPORTUNITIES

The Authority's Board of Directors regularly meets on the third Wednesday of January, April, July, and September of each year. Specific times and locations of these and/or any special meetings can be obtained by contacting the Authority at (940) 723-8697.

For more information about the water quality of your water system, public participation programs, water conservation programs, and/or general operations policies, call (940) 723-8697 or e-mail the Authority at: info@rra.dst.tx.us. For service requests or reporting leaks after normal business hours, page your District Manager, Mr. Mark Kennedy or Mr. Daniel Glenn at (940) 763-6509. You may also leave a message on the recorder at the Water Treatment Plant at (940) 528-2252.

SYSTEM INFORMATION

The Red River Authority of Texas owns and operates 29 registered public water supply systems through its Utility Division. The Utility Division maintains over 2,150 miles of transmission lines, two surface water treatment plants, 65 pumping facilities and serves approximately 10,000 customers residing in a 15 county area of the Red River Basin. The Utility Division is subdivided into geographical districts for proper management, maintenance, and financial accounting of individual systems.

The **RRA-Ringgold Water System** is one of the water systems operated by the Utility Division's District 19. In 2003, the system served 82 active connections with an average water use of 176 gallons per day per connection. The primary use of the water was rural domestic. A new water supply well was placed in service in 2003.

The Authority maintains a Water Conservation and Drought Contingency Plan for the Utility Division. Information on the plan is available on the Authority's web page at www.rrra.dst.tx.us or can be obtained by calling (940) 723-8697.

Definitions:

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

Maximum Contaminant Level Goal (MCLG) –
The level of a contaminant in drinking water below which there is no known or expected health risk. MCLGs allow for a margin of safety.

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 which a water system must follow.

NTU – Nephelometric Turbidity Units
MFL – million fibers per liter
pCi/l – picocuries per liter (a measure of radioactivity)
ppm – parts per million, or milligrams per liter (mg/l)
ppb – parts per billion, or micrograms per liter (ug/l)
ppt – parts per trillion, or nanograms per liter
ppq – parts per quadrillion, or picograms per liter

SECONDARY CONSTITUENTS

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 concerns. Therefore, secondaries are not required to be reported in this document, but they may greatly affect the appearance and taste of your water.

ABOUT THE FOLLOWING TABLES

U.S. EPA requires water systems to test up to 97 constituents. The attached table contains all of the federally regulated or monitored constituents which have been found in your drinking water.

Inorganics

Year	Constituent	Highest Level at Any Sampling Point	Range of Detected Levels	MCL	MCLG	Unit of Measure	Source of Constituent
2003	Fluoride	3.6	3.6000-3.6000	4	4	ppm	Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from fertilizer and aluminum factories.
2003	Nitrate	0.03	0.0000-0.0300	10	10	ppm	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits.

NA = MCL not applicable - not regulated. Special Monitoring Requirement.

Unregulated Contaminants

Year	Constituent	Average of All Sampling Points	Range of Detected Levels	Reason for Monitoring
2002-2002	Bromoform	2.4	2.4000-2.4000 ppb	Unregulated contaminant monitoring helps EPA to determine where certain contaminants occur and whether it needs to regulate those contaminants.
2002-2002	Dibromochloromethane	0.8	0.8000-0.8000 ppb	Unregulated contaminant monitoring helps EPA to determine where certain contaminants occur and whether it needs to regulate those contaminants.

Lead and Copper

Year	Constituent	The 90th Percentile	Number of Sites Exceeding Action Level	Action Level	Unit of Measure	Source of Constituent
1999	Copper	0.0570	0	1.3	ppm	Corrosion of household plumbing systems; Erosion of natural deposits; Leaching from wood preservatives.
1999	Lead	0.5000	0	15	ppb	Corrosion of household plumbing systems; Erosion of natural deposits.

Organics - NOT TESTED FOR OR NOT DETECTED

Total Coliform - NOT DETECTED

Fecal Coliform - NOT DETECTED

Red River Authority of Texas
Hamilton Building
900 8th Street, Suite 520
Wichita Falls, Texas 76301-6894

RETURN SERVICE REQUESTED

Disinfection By-Products

Year	Constituent	Average of All Sampling Points	Range of Detected Levels	MCL	MCLG	Unit of Measure	Source of Constituent
2003	Total Trihalomethanes	2.525	10.10-10.10	100	0	ppb	By-product of drinking water chlorination.

CONSERVATION TIPS

In the bathroom...

- **Test toilets for leaks. Add a few drops of food coloring or a dye tablet into the water in the tank, but do not flush the toilet. Watch to see if the coloring appears in the bowl within a few minutes. If it does, the toilet has a silent leak that needs to be repaired.**
- **Take a shower instead of filling the tub and taking a bath. Showers with low-flow showerheads usually use less water.**
- **When brushing teeth, turn the water off until it is time to rinse.**

In the kitchen...

- **Never run the dishwasher without a full load. This practice will save water, energy, detergent, and money.**
- **Use a small pan of cold water when cleaning vegetables, rather than letting the water run over them.**

Out-of-Doors...

- **Water lawns early in the morning to avoid evaporation.**
- **Water slowly for better absorption, and never water on windy days.**
- **Forget watering the streets, walks or driveways...they will never grow a thing.**
- **Do not "sweep" walks and driveways with the hose. Use a broom or rake instead.**
- **Use a sprinkler that produces large drops of water, rather than a fine mist.**