

Annual Drinking Water Quality Report

City of Creswell

For year 2007

This report is designed to inform you about the quality of water and services we deliver to you everyday. Our constant goal is to provide you with a safe and dependable supply of drinking water. We want you to understand the efforts we make to continually improve the water treatment process and protect our water resources. Our community has three water sources, the coast fork of the Willamette River and two well fields, Garden Lake Park and Emerald Valley which draw off of two aquifers and are at depths from 54' to 197'. Both of these aquifers, Willamette Alluvium and Fisher Formation are part of the Willamette basin water reserve. We have a source water protection plan available at City Hall that provides more information such as potential sources of contaminants.

This report shows our water quality and what it means.

If you have any questions about this report or concerning your water utility, please contact Mike Howard the water Treatment Plant operator at 895-4044.

The City of Creswell routinely monitors for constituents in your drinking water according to Federal and State laws. This table shows the results of our monitoring for the period of January 1st to December 31st, 2007 for contaminants. **All drinking water, including bottled drinking water, may be reasonably expected to contain at least small amounts of some constituents.** It is important to remember that the presence of these constituents does not necessarily pose a health risk.

Be aware that MCL's are set at very stringent levels. To understand the possible Health effects described for many regulated constituents, **a person would have to Drink two liters of water every day at the MCL level for a lifetime (30 years) to have a one-in-a-Million chance of having the described health effect.**

The back up well fields for City of Creswell periodically do **NOT** meet the new standard of 0.01 mg/L for Arsenic; they do contain low levels of arsenic. EPA's standard balances the current understanding of arsenic's possible health effects against the costs of removing the arsenic from drinking water. EPA continues to research the health effects of low levels of arsenic, which is a mineral known to cause cancer in humans at high concentrations and is linked to other health effects such as skin damage and circulatory problems.

Key

AL= Action Level

MCL=Maximum Contaminant Level

MCLG=Maximum Contaminant Level Goal

ND= Non-Detects

NTU= Nephelometric Turbidity Units

ppm= parts per million, or milligrams per liter (mg/l)

Water Sources

A= Emerald Valley Wells

B= Garden Lake Wells

C= Water Plant

Contaminant (units)	MCLG	ANALYSIS	MCL	Major Sources in Drinking Water
Microbiological Contaminants				
NONE				
Turbidity 1. Source C	0.300	0.170	0.500	Soil runoff
Inorganic Contaminants				
Arsenic 1. Source A 2. Source B	0	0.0260 0.0170	0.0100	Erosion of natural deposits; runoff from orchards, runoff from glass and electrics production wastes.
Volatile Organic Contaminants Note: sampled for 37 contaminates in all water sources, analysis were all Non- Detectable.				

Health Effects Language

Microbiological Contaminants:

(1) Turbidity: Turbidity has no health effects. However, turbidity can interfere with disinfection and provide a medium for microbial growth. Turbidity may indicate the presence of disease-causing organisms. These organisms include bacteria, viruses, and parasites that can cause symptoms such as nausea, cramps, diarrhea, and associated headaches.

Inorganic Contaminants:

(1) Arsenic: 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.