



2007 Annual Water Quality Report

City of Crystal Lake

PWSID#1110150

100 W. Woodstock Street, Crystal Lake, IL 60039-0597

We're pleased to present to you this year's Annual Water Quality Report.



This report is designed to inform you about the quality 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. We are committed to ensuring the quality of your water.

Este informe contiene información muy importante sobre su agua de beber. Tradúzcalo o hable con alguien que lo entienda bien.

In 2007 the City of Crystal Lake Water Division distributed 1,773,669 gallons of water to our customers. Our water source is groundwater pumped from eleven wells, which are located throughout the city.

Your water is treated by using oxidation, chlorination disinfection, softening, fluoridation and filtration to remove or reduce harmful contaminants that come from the source water.

The City of Crystal Lake's source water assessment has been completed and is available at City Hall for public viewing.

The Illinois EPA determined the source water to be susceptible to contamination based upon a number of criteria including: monitoring conducted at the wells, monitoring conducted at the entry points to the distribution system and the available hydrogeologic data on the wells.

If you have any questions about this report or concerning your water utility, please contact Andrew Resek, Water Division Superintendent by calling (815) 459-2020 ext. 4041 or by writing to this address: PO Box 597, Crystal Lake, IL 60039-0597. We want our valued customers to be informed about their water utility. You are welcome and encouraged to attend City Council Meetings on the first and third Tuesday of each month at 7:30 p.m. in the City Council Chambers (100 West Woodstock Street). Also, you can visit our web site at www.crystallake.org.

The U.S. Environmental Protection Agency (EPA) wants you to know:

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 EPA's Safe Drinking Water Hotline (1-800-426-4791).

The sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs and wells. As water travels over the surface of the land or through the ground, it dissolves naturally occurring minerals and, in some cases, radioactive material, and can pick up substances resulting from the presence of animals or from human activity.

Contaminants that may be present in source water include:

Microbial contaminants, such as viruses and bacteria, which may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife.

Inorganic contaminants, such as salts and metals, which can be naturally-occurring or result from urban storm water runoff, industrial or domestic wastewater discharges, oil and gas production, mining, or farming.

Pesticides and herbicides, which may come from a variety of sources such as agriculture, urban storm water runoff, and residential uses.

Organic chemical contaminants, including synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum production, and can also come from gas stations, urban storm water runoff, and septic systems.

Radioactive contaminants, which can be naturally occurring or be the result of oil and gas production and mining activities.

In order to ensure that tap water is safe to drink, the EPA prescribes regulations which limit the amount of certain contaminants in water provided by public water systems. Food and Drug Administration regulations establish limits for contaminants in bottled water, which must provide the same protection for public health.

Regulated Contaminants Detected in 2007 (collected in 2007 unless noted)

Water Quality Test Results Definitions

Action Level (AL): The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a

Action Level Goal (ALG): The level of a contaminant in drinking water below which there is no known or expected risk to health ALGs allow for a margin of safety

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

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 margin of safety.

mg/l: milligrams per liter or parts per million - or one ounce in 7,350 gallons of water.
ug/l: micrograms per liter or parts per billion - or one ounce in 7,350,000 gallons of water.

NA: not applicable
NA: not applicable

Maximum Residual Disinfectant Level (MPN). The highest level of disinfectant allowed in drinking water avg. Regulatory compliance with some MCL's are based on running annual average of monthly samples.

Maximum Residual Disinfectant Level (MRDL): The highest level of disinfectant allowed in drinking water known or expected risk to health. MRDLGs allow for a margin of safety.

Regulated Contaminants Detected in 2007 (collected in 2007 unless noted)						
Coliform Bacteria					Likely Source of Contamination	
Microbiological Contaminants	Total Coliform Maximum Limit	Highest No. of Positive Total	Fecal Coliform or E. Coli Maximum Limit	Total No. of Positive E. Coli or Fecal Coliform Samples	Violation	
0	<5%	0	0	0	No	Naturally present in the environment
Lead and Copper						
Lead ALG	Lead Action	Lead 90th Percentile	# of Sites Over AL	Date of Sample	Violation	Likely Source of Contamination
0 ug/l	15 ug/l	6	1	6/16/2005	No	Corrosion of household plumbing, Naturally Present in the environment
Copper ALG	Copper Action	Copper 90th Percentile	# of Sites Over AL	Date of Sample	Violation	Likely Source of Contamination
1.33 mg/l	1.3 mg/l	0.33	1	7/27/2005	No	Corrosion of household plumbing, Naturally Present in the environment

Regulated