



2006 Annual Drinking Water Quality Report

(Consumer Confidence Report)

Customer Service: 817-297-2201

Emergency, Nights & Weekends: 817-297-2276

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

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 drinking water from their health care providers. The 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 (1-800-426-4791).

Public Participation Opportunities

Date: City Council meetings are 1st and 3rd Thurs. of each month

Time: 7:00 pm

Location: City Hall

Phone No: 817-297-2201

To learn about future public meetings (concerning your drinking water), or to request to schedule one, please call us.

Where do we get our drinking water?

Our drinking water is obtained from GROUND water sources. It comes from the following Lake/River/Reservoir/Aquifer: SURFACE WATER, TRINITY AND TRINITY/PALUXY. A Source Water Susceptibility Assessment for your drinking water source(s) is currently being updated by the Texas Commission on Environmental Quality and will be provided to us this year. The report will describe 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 will allow us to focus our source water protection strategies. For more information on source water assessments and protection efforts at our system, please contact us.

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

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. The constituents are not causes for health concern. Therefore, secondaries are not required to be reported in this document but they may greatly affect the appearance and taste of your water.

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.

WATER SOURCES: The sources of drinking water (both tap 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 before treatment include: microbes, inorganic contaminants, pesticides, herbicides, radioactive contaminants, and organic chemical contaminants.

En Espanol

Este informe incluye informacion importante sobre el agua potable. Si tiene preguntas o comentarios sobre este informe en espanol, favor de llamar al tel. (817)297-2201-para hablar con una persona bilingue en espanol.

About The Following Pages

The pages that follow list all of the federally regulated or monitored contaminants which have been found in your drinking water. The U. S. EPA requires water systems to test for up to 97 contaminants.

DEFINITIONS

Maximum Contaminant Level (MCL)

The highest permissible 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.

Maximum Residual Disinfectant Level (MRDL)

The highest level of disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.

Maximum Residual Disinfectant Level Goal (MRDLG)

The level of a drinking water disinfectant below which there is no known or expected risk to health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contamination.

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.

ABBREVIATIONS

NTU – Nephelometric Turbidity Units

MFL – million fibers per liter (a measure of asbestos)

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 (µg/L)

ppt – part per trillion, or nanograms per liter

ppq – parts per quadrillion, or picograms per liter

Inorganic Contaminants								
Year or Range	Contaminant	Average Level	Minimum Level	Maximum Level	MCL	MCLG	Unit of Measure	Source of Contaminant
2002	Barium	0.022	0.006	0.035	2	2	ppm	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
2005	Fluoride	0.75	0.6	1.2	4	4	ppm	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories
2006	Nitrate	0.29	0.06	0.65	10	10	ppm	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits.
2002	Combined Radium 226 & 228	0.1	0	0.6	5	0	pCi/L	Erosion of natural deposits.
2002	Gross alpha	0.15	0	0.9	15	0	pCi/L	Erosion of natural deposits.
Organic Contaminants TESTING WAIVED, NOT REPORTED, OR NONE DETECTED								
Maximum Residual Disinfectant Level								
Year	Disinfectant	Average Level	Minimum Level	Maximum Level	MRDL	MRDLG	Unit of Measure	Source of Disinfectant
2006	Chlorine Residual, Free	.028	0.2	0.9	4	4	ppm	Disinfectant used to control microbes.
Disinfection Byproducts								
Year	Contaminant	Average Level	Minimum Level	Maximum Level	MCL	Unit of Measure	Source of Contaminant	
2006	Total Haloacetic Acids	5.5	5.5	5.5	60	ppb	Byproduct of drinking water disinfection.	
2006	Total Trihalomethanes	8.9	8.9	8.9	80	ppb	Byproduct of drinking water disinfection.	
Unregulated Contaminants								
Bromoform, chloroform, dichlorobromomethane, and dibromochlorimethane are disinfection byproducts. There is no maximum contaminant level for these chemicals at the entry point to distribution.								
Year or Range	Contaminant	Average Level	Minimum Level	Maximum Level	Unit of Measure	Source of Contaminant		
2006 2002	Chloroform	2.53	0	5.4	ppb	Byproduct of drinking water disinfection.		
2006 2002	Bromoform	0.33	0	1.2	ppb	Byproduct of drinking water disinfection.		
2006 2002	Bromodichloromethane	1.67	0	4.9	ppb	Byproduct of drinking water disinfection.		
2006 2002	Dibromochloromethane	1.05	0	4.2	ppb	Byproduct of drinking water disinfection.		
Lead and Copper								
Year	Contaminant	The 90 th Percentile	Number of Sites Exceeding Action Level	Action Level	Unit of Measure	Source of Contaminant		
2004	Lead	2.2	0	15	ppb	Corrosion of household plumbing systems; erosion of natural deposits.		
2004	Copper	0.286	0	1.3	ppm	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives.		
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.								
Year	Contaminant	Highest Single Measurement	Lowest Monthly % of Samples Meeting Limits	Turbidity Limits	Unit of Measure	Source of Contaminant		
2006	Turbidity	0.40	99.00	0.3	NTU	Soil runoff.		
Total Coliform								
Total coliform bacteria are used as indicators of microbial contamination of drinking water because testing for them is easy. While not disease-causing organisms themselves, they are often found in association with other microbes that are capable of causing disease. Coliform bacteria are more hardy than many disease-causing organisms; therefore, their absence from water is a good indication that the water is microbiologically safe for human consumption.								
Year	Contaminant	Highest Monthly Number of Positive Samples	MCL	Unit of Measure	Source of Contaminant			
2006	Total Coliform Bacteria	1	*	Presence	Naturally present in the environment.			
* Two or more coliform found samples in any single month.								
Fecal Coliform REPORTED MONTHLY TESTS FOUND NO FECAL COLIFORM BACTERIA.								
Secondary and Other Constituents Not Regulated (No associated adverse health effects)								
Year or Range	Constituent	Average Level	Minimum Level	Maximum Level	Secondary Limit	Unit of Measure	Source of Constituent	
2005	Bicarbonate	214	167	421	NA	ppm	Corrosion of carbonate rocks such as limestone.	
2002	Calcium	14.9	0	45.9	NA	ppm	Abundant naturally occurring element.	
2005	Chloride	31	24	62	300	ppm	Abundant naturally occurring element; used in water purification; byproduct of oil field activity.	
2005	Copper	0.009	0	0.034	1	ppm	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives	
2002	Iron	0.011	0	0.03	.3	ppm	Erosion of natural deposits; iron or steel water delivery equipment or facilities.	
2002	Lead	0.001	0	0.003	NA	ppm	Corrosion of household plumbing systems; erosion of natural deposits.	
2002	Magnesium	1	0	3.5	NA	ppm	Abundant naturally occurring element.	
2005	pH	8.1	8	8.2	7	units	Measure of corrosivity of water.	
2002	Sodium	175	42	298	NA	ppm	Erosion of natural deposits; by product of oil field activity.	
2005	Sulfate	35	31	53	300	ppm	Naturally occurring; common industrial byproduct; byproduct of oilfield activity.	
2005	Total Alkalinity as CaCO ₃	175	137	345	NA	ppm	Naturally occurring soluble mineral salts.	
2005	Total Dissolved Solids	283	223	538	1000	ppm	Total dissolved mineral constituents in water.	
2002	Total Hardness as CaCO ₃	41	0	129	NA	ppm	Naturally occurring calcium.	

ATTENTION: Residents and Business Owners

The City of Crowley is under mandatory watering restrictions. NO outdoor watering by use of sprinklers can be done between the hours of 10:00 am and 6:00 pm from June 1st through September 30th. The use of a soaker hose and/or watering by hand is still allowed.