

# 2007 Annual Drinking Water Quality Report

(Consumer Confidence Report)

FT. BEND COUNTY WC&ID NO. 2

281-499-1031

[www.fortbendcountycid2.com](http://www.fortbendcountycid2.com)



## 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.

## Public Participation Opportunities

Date: 1<sup>st</sup> & 3<sup>rd</sup> Wednesdays

Monthly

Time: 6:30PM

Location: 2331 South Main  
Stafford, TX 77477

Phone: 281-499-1031 to confirm meeting date and location

### *En Español*

Este informe incluye información importante sobre el agua potable. Si tiene preguntas o comentarios sobre este informe en español, favor de llamar al tel. (281) 499-1031 para hablar con una persona bilingüe en español.

## Special Notice for the 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).

**WATER SOURCES:** 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 before treatment include: microbes, inorganic contaminants, pesticides, herbicides, radioactive contaminants, and organic chemical contaminants.

## 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: EVANGELINE, CHICOT. TCEQ completed an assessment of our source water and results indicate that some of our sources are susceptible to certain contaminants. The sampling requirements for our water system are based on this susceptibility and previous sample data. Any detections of these contaminants will be found in this report. If we receive or purchase water from another system, their susceptibility is not included in this assessment. 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 Environmental Protection Agency'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 EPA. These 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.

## 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 (Environmental Protection Agency) 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 (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 (ug/l)

**ppt** – parts per trillion, or nanograms per liter

**ppq** – parts per quadrillion, or picograms per liter

**NA** – Not applicable

### Inorganic Contaminants

Year (Range)	Contaminant	Average Level	Minimum Level	Maximum Level	MCL	MCLG	Unit of Measure	Source of Contaminant
2005	Arsenic	2.5	2.5	2.5	10 *	0 *	ppb	Erosion of natural deposits; runoff from orchards; runoff from glass and electronics production wastes.
<i>*The arsenic value was effective January 23, 2006. In the event of a violation, you will be notified.</i>								
2005	Barium	0.215	0.215	0.215	2	2	ppm	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits.
2005	Fluoride	0.3	0.3	0.3	4	4	ppm	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories.
2005	Selenium	4.9	4.9	4.9	50	50	ppb	Discharge from petroleum and metal refineries; erosion of natural deposits; discharge from mines.
2002 2006	Uranium	1.3	0	5	30	0	ppb	Erosion of natural deposits.
2002 2006	Combined Radium 226 & 228	1.6	0.7	2.4	5	0	pCi/L	Erosion of natural deposits.
2002 2006	Gross beta Emitters	3.8	3.5	4.5	50	0	pCi/L	Decay of natural and man-made deposits.
2002 2006	Gross alpha	6.78	4.0	8.2	15	0	pCi/L	Erosion of natural deposits.

**Organic Contaminants** NOT TESTED OR REPORTED, OR NONE DETECTED

### Maximum Residual Disinfectant Level

Year	Contaminant	Average Level	Minimum Level	Maximum Level	MCL	MCLG	Unit of Measure	Source of Contaminant
2007	Chlorine Residual, Free	1.23	0.89	1.61	4	4	ppm	Disinfectant used to control microbes.

### Disinfection Byproducts

Year (Range)	Contaminant	Average Level	Minimum Level	Maximum Level	MCL	Unit of Measure	Source of Contaminant
2007	Total Trihalomethanes	2	1.2	2.4	80	ppb	Byproduct of drinking water disinfection

**Unregulated Initial Distribution System Evaluation for Disinfection Byproducts** WAIVED OR NOT YET SAMPLED

**Unregulated Contaminants** NOT REPORTED OR NONE DETECTED

**Turbidity** NOT REQUIRED

**Total Coliform** REPORTED MONTHLY TESTS FOUND NO COLIFORM BACTERIA.

**Fecal Coliform** REPORTED MONTHLY TESTS FOUND NO FECAL COLIFORM BACTERIA.

## Lead and Copper

Year (Range)	Contaminant	The 90 <sup>th</sup> Percentile	Number of Sites Exceeding Action Level	Action Level	Unit of Measure	Source of Contaminant
2007	Lead	2.4	1	15	ppb	Corrosion of household plumbing systems; erosion of natural deposits.
2007	Copper	0.087	0	1.3	ppm	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives.

### Recommended additional Health Information for Lead

All water systems are required by EPA to report the language below starting with the 2009 CR to be delivered to you by July 2010. We are providing this information now as a courtesy.

*“If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. This water supply is responsible for providing high quality drinking water, but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing you tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you are concerned about lead in your water, you may have your water tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline or at <http://www.epa.gov/safewater/lead>.”*

### Secondary and Other Constituents Not Regulated (No associated adverse health effects)

Year (Range)	Constituent	Average Level	Minimum Level	Maximum Level	Secondary Limit	Unit of Measure	Source of Constituent
2005	Bicarbonate	245	245	245	NA	ppm	Corrosion of carbonate rocks such as limestone.
2005	Calcium	39	39	39	NA	ppm	Abundant naturally occurring element.
2005	Chloride	37	37	37	300	ppm	Abundant naturally occurring element; used in water purification; byproduct of oil field activity
2005	Copper	0.003	0.003	0.003	1	ppm	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives.
2005	Iron	0.064	0.064	0.064	.30	ppm	Erosion of natural deposits; iron or steel water delivery equipment or facilities.
2005	Magnesium	8	8	8	NA	ppm	Abundant naturally occurring element.
2005	Manganese	0.0111	0.0111	0.0111	0.50	ppm	Abundant naturally occurring element.
2005	pH	7.5	7.5	7.5	>7.0	units	Measure of corrosivity of water.
2005	Sodium	56	56	56	NA	ppm	Erosion of natural deposits; byproduct of oil field activity.
2005	Sulfate	16	16	16	300	ppm	Naturally occurring; common industrial byproduct; byproduct of oil field
2005	Total Alkalinity as CaCO <sub>3</sub>	201	201	201	NA	ppm	Naturally occurring soluble mineral salts.
2005	Total Dissolved Solids	298	298	298	1000	ppm	Total dissolved mineral constituents in water.
2005	Total Hardness as CaCO <sub>3</sub>	130	130	130	NA	ppm	Naturally occurring calcium.
2005	Zinc	0.006	0.006	0.006	5	ppm	Moderately abundant naturally occurring element; used in metal industry