

# 2010 Annual Drinking Water Quality Report

(Consumer Confidence Report)

FT. BEND COUNTY WC&ID NO. 2  
281-499-1031  
www.fbcwcid2.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

Required language for ALL Community public water supplies:

You may be more vulnerable than the general population to certain microbial contaminants, such as Cryptosporidium, in drinking water. Infants, some elderly or Immunocompromised persons such as those undergoing chemotherapy for cancer; those 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. A Source Water Susceptibility Assessment for your drinking water sources(s) is currently being updated by the Texas Commission on Environmental Quality. This information 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 the assessment allows us to focus our source water protection strategies. Some of this source water assessment information will be available later this year on Texas Drinking Water Watch at <http://dww.tceq.state.tx.us/DWW/>. 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	Highest level	Range of Levels	MCL	MCLG	Unit of Measure	Violation	Source of Contaminant
2008	Fluoride	0.46	0.46	4	4	ppm	N	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories.
2009	Combined Radium 226 & 22	1.8	1.8	5	0	pCi/L	N	Erosion of natural deposits.
2009	Gross beta Emitters	6.6	6.6-6.6	4	0	mrem/yr	N	Decay of natural and man-made deposits.
2009	Gross alpha	9.5	9.5-9.5	15	0	pCi/L	N	Erosion of natural deposits.
2009	Nitrate	0.03	0-0.03	10	10	ppm	N	Runoff from fertilizer use; leaching from septic tanks, sewage; 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
2010	Chlorine Residual, Free	1.17	0.86	1.57	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
2008	Total Trihalomethanes	1.1	0	3.2	80	ppb	Byproduct of drinking water disinfection

### Unregulated Containments

Bromoform, chloroform, dichlorobromomethane, and dibromochloromethane are disinfection byproducts. There is no maximum containment level for these chemicals at the entry point to distribution.

Year or Range	Containment	Average Level	Minimum Level	Maximum Level	Unit of Measure	Source of Containment
2009	Bromoform	0.4	0.8	0.8	ppb	Byproduct of drinking water disinfection.
2009	Dibromochloromethane	0.45	0.9	0.9	ppb	Byproduct of drinking water disinfection.

### Unregulated Contaminant Monitoring Rule 2 (UCMR2)

Unregulated Contaminants are those for which EPA has not established drinking water standards. The purpose of unregulated contaminant monitoring is to assist EPA in determining the occurrence of unregulated contaminants in drinking water and whether future regulation is warranted. Any unregulated contaminants detected are reported in the following table. For additional information and data visit <http://www.epa.gov/safewater/ucmr/ucmr2/index.html>, or call the Safe Drinking Water Hotline at (800)426-4791

Year	Contaminant	Average Level	Minimum Level	Maximum Level	Unit of Measure	Source of Contaminant
2009	No detected chemicals					

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

**Turbidity** NOT REQUIRED

### Coliform Bacteria

Maximum Contaminant Level Goal	Total Coliform Maximum Contaminant Level	Highest No. of Positive	Fecal Coliform or E. Coli Maximum Contaminant Level	Total No. of Positive E. Coli or Fecal Coliform Samples	Violation	Likely Source of Contaminant
0	5% of monthly samples are positive	1		0	N	Naturally present in the environment

### Lead and Copper

Lead and Copper	Date Sample	MCLG	Action Level (AL)	90 <sup>th</sup> Percentile	# Sites Over AL	Units	Violation	Likely Source of Contamination
Copper	2010	1.3	1.3	0.101	0	ppm	N	Erosion of natural deposits; Leaching from wood preservatives; Corrosion of household plumbing systems
Lead	2010	0	15	1.97	0	ppb	N	Corrosion of household plumbing systems; Erosion of natural deposits.

### Recommended additional Health Information for Lead

*"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
2008	Bicarbonate	242	242	242	NA	ppm	Corrosion of carbonate rocks such as limestone.
2008	Calcium	28.2	28.2	28.2	NA	ppm	Abundant naturally occurring element.
2008	Chloride	44	44	44	300	ppm	Abundant naturally occurring element; used in water purification; byproduct of oil field activity
2008	Copper	0.0035	0.0035	0.0035	1	ppm	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives.
2008	Iron	0.086	0.086	0.086	.30	ppm	Erosion of natural deposits; iron or steel water delivery equipment or facilities.
2008	Magnesium	5.81	5.81	5.81	NA	ppm	Abundant naturally occurring element.
2008	Manganese	0.0102	0.0102	0.0102	0.50	ppm	Abundant naturally occurring element.
2008	pH	7.5	7.5	7.5	>7.0	units	Measure of corrosivity of water.
2008	Sodium	75.1	75.1	75.1	NA	ppm	Erosion of natural deposits; byproduct of oil field activity.
2008	Sulfate	16	16	16	300	ppm	Naturally occurring; common industrial byproduct; byproduct of oil field
2008	Total Alkalinity as CaCO <sub>3</sub>	198	198	198	NA	ppm	Naturally occurring soluble mineral salts.
2008	Total Dissolved Solids	320	320	320	1000	ppm	Total dissolved mineral constituents in water.
2008	Total Hardness as CaCO <sub>3</sub>	94.3	94.3	94.3	NA	ppm	Naturally occurring calcium.