

Consumer Confidence Report 2008

Drinking Water Quality Report For The CITY OF BASTROP

Water & Wastewater Department
512-321-2124
James Miller, Director

En Español – Este informe incluye información importante sobre el agua potable. Si usted tiene preguntas o comentarios sobre éste informe, favor de llamar al tel. (512) 321-2124 para hablar con una persona que habla español.

Public Participation Opportunities

The Water Department is part of the Bastrop City Government. You are invited to attend City Council meetings on the 2nd & 4th Tuesday of every month. Regular sessions begin at 7:30 p.m. in the Council Chambers, 904 Main Street. Contact the City Secretary at (512) 321-4520 for details.

Visit our Website at
www.cityofbastrop.org to
view this report and other
information about our City.

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.



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)**.

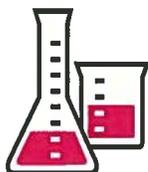
Where Do We Get Our Drinking Water?



Bastrop drinking water comes exclusively from a ground water source known as an ALLUVIAL AQUIFER. A Source Water Susceptibility Assessment for your drinking water source 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 contained in the assessment 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.

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.

The tables below 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.



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

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 and microbial contaminants.
- Maximum Residual Disinfectant Level Goal (MRDLG)** – The level of 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.

Inorganic Contaminants

Year or Range	Contaminant	Average Level	Minimum Level	Maximum Level	MCL	MCLG	Unit of Measure	Source of Contaminant
2008	Barium	0.114	0.11	0.118	2	2	ppm	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits.
2008-2006	Fluoride	1.07	0.8	1.33	4	4	ppm	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories.
2008	Nitrate	1.86	1.22	2.5	10	10	ppm	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits.

Maximum Residual Disinfectant Level

Year	Contaminant	Average Level	Minimum Level	Maximum Level	MRDL	MRDLG	Unit of Measure	Source of Contaminant
2008	Chlorine Residual, Free	1.02	0	0	4	<4	ppm	Disinfectant used to control microbes.

Organic Contaminants: Testing Waived, 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.

Disinfection Byproducts

Year	Contaminant	Average Level	Minimum Level	Maximum Level	MCL	Unit of Measure	Source of Contaminant
2008	Total Haloacetic Acids	13.9	9.3	21.3	60	ppb	Byproduct of drinking water disinfection.
2008	Total Trihalomethanes	55.3	39.5	70.8	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

LEAD and COPPER

Year (Range)	Contaminant	The 90 th Percentile	Number of Sites Exceeding Action Level	Action Level	Unit of Measure	Source of Contaminant
2008	Lead	4.1	1	15	ppb	Corrosion of household plumbing systems; erosion of natural deposits.
2008	Copper	1.8	1	1.3	ppm	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservations.

Recommended Additional Health Information for Lead

All water systems are required by EPA to report the language below with the 2009 CCR to be delivered to you by July of 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 your 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 wish to 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)	Constituents	Average Level	Minimum Level	Maximum Level	Limit	Unit of Measure	Source of Constituents
2008 - 2006	Bicarbonate	258	251	265	NA	ppm	Corrosion of carbonate rocks such as limestone.
2008 - 2005	Calcium	84.1	78.6	89.6	NA	ppm	Abundant naturally occurring element.
2008 - 2006	Chloride	45	44	46	300	ppm	Abundant naturally occurring element; used in water purification; byproduct of oil field activity.
2008 - 2005	Copper	0.014	0.008	0.021	1	ppm	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives.
2008 - 2005	Magnesium	17.3	16.4	18.1	NA	ppm	Abundant naturally occurring element.
2008 - 2005	Manganese	0.0043	0	0.0086	.05	ppb	Abundant naturally occurring element.
2008 - 2005	Nickel	0.002	0.001	0.002	NA	Ppm	Erosion of natural deposits.
2008 - 2006	pH	7.2	7.1	7.2	>7.0	Units	Measure of corrosivity of water.
2008 - 2005	Sodium	26	24	28	NA	ppm	Erosion of natural deposits; byproduct of oil field activity.
2008 - 2006	Sulfate	45	40	49	300	ppm	Naturally occurring; common industrial byproduct; byproduct of oil field activity.
2008 - 2006	Total Alkalinity as CaCO ₃	212	206	217	NA	ppm	Naturally occurring soluble mineral salts.
2008 - 2006	Total Dissolved Solids	365	356	374	1000	ppm	Total dissolved mineral constituents in water.
2008 - 2005	Total Hardness as CaCO ₃	281	264	298	NA	ppm	Naturally occurring calcium.

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. 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.

PWS ID#: TX0110001
2008 CONSUMER CONFIDENCE REPORT

CONTACT US

Account Information/Billing Questions	512-321-3941
Report Water Main Breaks/Sewer Stops (24 hours)	512-321-2124
Water Quality Inquiries/Complaints	512-321-2124

VISIT US

Customer Service Office 904 Main Street Bastrop, Texas 78602 Monday – Friday 7:00 a.m. to 4:45 p.m.	OR	Water & Wastewater Department 300 Water Street Bastrop, Texas 78602 Monday – Friday 7:00 a.m. to 4:00 p.m.
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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).

City of Bastrop
Water & Wastewater Department
P.O. Box 427
Bastrop, Texas 78602

