

PRESORTED  
FIRST CLASS MAIL  
U.S. POSTAGE PAID  
BROOKSHIRE, TX  
77423  
PERMIT 17

POSTAL PATRON  
BROOKSHIRE, TX 77423

Brookshire Municipal Water District  
4004 6th Street • P.O. Box 1850  
Brookshire, TX 77423

# BMW D

## 2013 Annual Drinking Water Quality Report (Consumer Confidence Report)



Brookshire Municipal Water District  
PWS ID# 2370004

# BROOKSHIRE MUNICIPAL WATER DISTRICT

### Our Drinking Water Meets or Exceeds All Federal 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 test and is presented on the this form. 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 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: 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.

### ALL drinking water may contain contaminants

When drinking water meets federal standards there may not be any health based benefits to purchasing 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).

### En Espanol

Este informe incluye informacion importante sobre el agua par potable. Si tiene preguntas o comentarios sobre este informe en espanol, favor de llamar al tel. 281-375-5010 para hablar con una personal bilingue en espanol.

### Special Notice for the Elderly, Infants, Cancer Patients, People with HIV/ AIDS or other Immune Problems.

You may be more vulnerable than the general population to certain microbial contaminants, such as Cryptosporidium, in drinking water. Infants, some elderly, or immune-compromised persons such as those undergoing chemotherapy for cancer; those who have undergone organ transplants; those who are undergoing treatment with steroids ; and people with HIV/ AIDS or other immune system disorders can be particularly at risk for infections. You should seek advice about drinking water from your physician or health care provider. Additional guidelines on appropriate means to lessen the risk of infection by Cryptosporidium are available from the Safe Drinking Water Hotline: (800-426-4791)

### Public Input Opportunity

Your water board meets at 6:00 p.m. on the first Monday of each month at  
4004 6th Street  
Brookshire, TX 77423

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

### Where Do We Get Our Water?

The source of drinking water used Brookshire Municipal Water District is ground water from the Gulf Coast Aquifer. A Source Water Assessment for your drinking water source is currently being conducted by the TCEQ and should 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 in this assessment will allow us to focus our source water protection strategies.

PUBLIC WATER SYSTEM ID#2370004

**Drinking Water Definitions & Units Description**

pCi/L: picocuries per liter (a measure of radioactivity).

ppm: parts per million, or milligrams per liter (mg/L)- or one ounce in 7,3500 gallons of water.

ppb: parts per billion, micrograms per liter (ug/L)- or one ounce in 7,350,000 gallons of water.

**MCLG: Maximum Contaminant Level Goal:** The level of a drinking water disinfectant below which there is no known or expected risk to health. MRDLGs allow for a margin of safety.**MCL: Maximum Contaminant Level:** The highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible using the best available treatment technology.**MRDLG: Maximum Residual Disinfection Level Goal:** 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 contaminants.**MRDL: Maximum Residual Disinfection Level:** The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.**Avg:** Regulatory compliance with some MCLs are based on running annual average of monthly samples.**N/A:** not applicable.**Action Level Goal (ALG):** The level of a contaminant in drinking water below which there is no known or expected risk to health.**Action Level:** The concentration of contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.**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 tastes 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, secondary's are not required to be reported in this document, but they may greatly affect the appearance and taste of your water.

**About the Tables**

The attached table contains all of the chemical contaminants which have been found in your drinking water. The U.S. EPA requires water systems to test for up to 97 contaminants. All contaminants detected in your water are below state and federal allowed levels. The State of Texas allows us to monitor for some contaminants less than once per year because the concentrations of these contaminants do not change frequently.

**Inorganic Contaminants**

Year	Contaminant	Highest Level Detected	Range of Detected Levels	MCLG	MCL	Units	Violation	Source of Contaminant
2013	Arsenic	1	2.3-2.3	0	10	ppb	No	Erosion of natural deposits, Runoff from orchards; Runoff from glass and electronics production wastes.
2013	Barium	0.204	0.204-0.204	2	2	Ppm	No	Discharge of drilling wastes: Discharge from metal refineries, Erosion of natural Deposits.
2013	Fluoride	0.16	0.16-0.16	4	4.0	ppm	No	Erosion of natural deposits; Water additive which promotes strong teeth: Discharge from fertilizer and aluminum factories
2013	Nitrate	0.28	0.16-0.28	10	10	ppm	No	Runoff from fertilizer use, Leaching from septic tanks, sewage: Erosion of natural deposits

**Radioactive Contaminants**

Year	Contaminant	Highest Level Detected	Range of Detected Levels	MCLG	MCL	Units	Violation	Source of Contaminant
2009	Beta/ photon emitters	4.2	0-4.2	50	0	pCi/L	No	Decay of natural and man-made deposits.
2013	Gross Alpha (excluding Radon & Uranium)	1	3.3-3.3	0	1.5	pCi/L	No	Erosion of natural deposits

**Disinfection By-Products**

Year	Contaminant	Average Level	Minimum Level	Maximum Level	MRDL	MRDLG	MCL	Units	Violation	Source of Contaminant
2011	Total Trihalomethanes <sup>1</sup>	1.47	0.60	2.30	4	4	No goal	80	No	By-Product of drinking water disinfection

<sup>1</sup> This evaluation is sampling required by EPA to determine the range of total Trihalomethanes in the system for future regulations. The samples are not used for compliance, and may have been collected under non-standard conditions: EPA requires the data to be reported. Please contact your water system representative if you have any questions.

**Maximum Residual Disinfectant Level**

Year	Contaminant	Average Level	Minimum Level	Maximum Level	MRDL	MRDLG	MCL	Units	Violation	Source of Contaminant
2013	Chlorine Residual (Free)	1.47	0.60	2.30	4	4		ppm	No	Disinfectant used to control microbes.

**Lead & Copper**

Year	Contaminant	The 90th Percentile	No. of sites Exceeding action level	Action Level	Units	Violation	Source of Contaminant
2013	Lead	3.65	0	15	ppb	No	Corrosion of household plumbing systems: erosion of natural deposits.
2013	Copper <sup>2</sup>	0.167	0	1.3	ppm	No	Erosion of natural deposits: leaching from wood preservatives: Corrosion of household plumbing systems:.

<sup>2</sup> Additional Health Information fro 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. The water supply is responsible fro providing high quality drinking water, but cannot control the variety of materials used in plumbing components. When you water has been sittinf 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 o cooking. If you are concerned about lead in your water, you may wish to have you water tested. Information on lead in drinking water , testing methods, and steps you can take o minimize exposure is available from the Safe Drinking Water Hotline or at <http://www.epa.gov/safewater/lead>."

**Turbidity**

Year	Contaminant	Highest Level Detected	Range of Detected Levels	MCL	MCLG	Units	Violation	Source of Contaminant
NOT	REQUIRED							

**Total Coli form/ Fecal Coli form**

REPORTED MONTHLY TESTS FOUND NO TOTAL COLI FORM BACTERIA  
 REPORTED MONTHLY TESTS FOUND NO FECAL COLI FORM BACTERIA