

MONTGOMERY COUNTY M.U.D. #18

2010 Drinking Water Quality Report

OUR DRINKING WATER IS SAFE

Meeting or Exceeding all Federal (EPA) Requirements.

This report is a summary of the quality of the water we provide our customer. 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.

En Español

Este reporte incluye información importante sobre su agua potable. Para obtener información o una copia de este reporte en español, por favor llame a Philip Wright al teléfono 936-588-1166.

Where do we get our drinking water?

Our drinking water is obtained from ground water sources. It comes from the Jasper Aquifer 900 to 1,000 feet below ground surface. A Source Water Assessment for your drinking water sources 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 Philip Wright at 936-588-1166.

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.

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).

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).

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.

Public input concerning your water system may be made at regularly scheduled meetings on the third Tuesday of each month at 2:00 p.m. at the Bentwater Country Club, 800 Bentwater Drive, Montgomery, Texas. You may contact Danny Wright or Philip Wright, Hays Utility North at 936-588-1166 with any concerns or questions you may have.

About the Following Page

The page that follows lists 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 level of a contaminant in drinking water. MCL's are set as close to the MCLG's 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 not known or expected health risk. MCLG's 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 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 - A required process intended to reduce the level of a contaminant in drinking water.

Action Level - The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.

ppm = parts per million, one part per million corresponds to one minute in two years or a single penny in \$10,000.

ppb = parts per billion, one part per billion corresponds to one minute in 2,000 years or a single penny in \$10,000,000.

pCi/L = pico curies per liter: (a measure of radio-activity).



936-588-1166

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Inorganic Contaminants

Year	Constituent	Average Detected Level	Range of Detected Levels	MCL	MCLG	Unit of Measure	Source of Constituent
2008	Barium	0.128	0.128-0.128	2	2	ppm	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
2008	Fluoride	0.14	0.14-0.14	4	4	ppm	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories.
2010	Nitrate	0.01	0.01-0.01	10	10	ppm	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits
2010	Gross Beta emitters	8.8	8.8-8.8	50	0	pCi/L	Decay of natural and man-made deposits
2010	Gross Alpha	7.2	7.2-7.2	15	0	pCi/L	Erosion of Natural Deposits

Residual Disinfectant Levels

Year	Constituent	Average Detected Level	Range of Detected Levels	MRDL	MRDLG	Unit of Measure	Source of Constituent
2010	Chlorine Residual, Free	1.57	0.27—3.91	4	4	ppm	Disinfectant used to control microbes

Disinfection Byproducts

Year	Constituent	Average Detected Level	Range of Detected Levels	MCL	Unit of Measure	Source of Constituent
2010	Total Trihalomethanes	2.9	2.9-2.9	80	ppb	Byproduct of drinking water disinfection

Lead and Copper

The 90th percentile of the Lead/Copper analysis refers to the top 10% (highest sample results) of all samples collected.

Year	Constituent	The 90th Percentile	Action Level	Number of Sites Exceeding Action Level	Unit of Measure	Source of Constituent
2008	Lead	1.0	15.0	0	ppb	Corrosion of household plumbing; Erosion of natural deposits
2008	Copper	0.135	1.30	0	ppm	Corrosion of household plumbing; Erosion of natural deposits

“ 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 you 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 Water Drinking Hotline or at <http://www.epa.gov/safewater/lead>.”

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

Year	Constituent	Average Level	Minimum Level	Maximum Level	Secondary Limit	Unit of Measure	Source of Constituent
2008	Bicarbonate	3.7	15.0	0	0	ppm	Corrosion of household plumbing; Erosion of natural deposits
2008	Calcium	56.7	56.7	56.7	NA	ppm	Abundant naturally occurring element.
2008	Iron	0.142	0.142	0.142	0.3	ppm	Erosion of natural deposits; iron or steel water delivery equipment or facilities.
2008	Magnesium	4.7	4.7	4.7	NA	ppm	Abundant naturally occurring element.
2008	Manganese	0.0238	0.0238	0.0238	.05	ppm	Abundant naturally occurring element.
2008	Sodium	50	50	50	NA	ppm	Abundant naturally occurring element.
2008	Total Alkalinity as CaCO ₃	215	215	215	NA	ppm	Naturally occurring soluble mineral salts.
2008	Total Dissolved Solids	345	345	345	1000	ppm	Total dissolved mineral constituents in water.
2008	Total Hardness as CaCO ₃	161	161	161	NA	ppm	Naturally occurring calcium.
Hardness Calculation converted to Grains per gallon: 161 ppm = 9.4 grains per gal							

The drinking water produced by Your District exceeds all of the minimum water quality standards as established by the USEPA.

Your water is safe to drink.