

Acton Municipal Utility District (AMUD) is committed to providing residents with a safe and reliable supply of high-quality drinking water. We test our water using sophisticated equipment and advanced procedures. Acton Municipal Utility District's water meets state and federal standards for both appearance and safety. This annual "Consumer Confidence Report," required by the Safe Drinking Water Act (SDWA), tells you where your water comes from, what our tests show about it and other things you should know about drinking water and AMUD.

#### OUR DRINKING WATER IS REGULATED

This report is intended to provide you with important information about your drinking water and the efforts made by the water system to provide safe drinking water.

#### Where do we get our drinking water?

Acton Municipal Utility District is supplied by surface water from Lake Granbury. We also pump groundwater from the Trinity and Paluxy Aquifers through twenty-four water wells located throughout our District. These sources are blended throughout the system. The water from Lake Granbury is treated at the Brazos Regional Public Utility Agency SWATS Plant located on Matlock Road off of Highway 167.

**SOURCES OF DRINKING WATER:** 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.

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 Hotline (1-800-426-4791).

Contaminants that may be present in source water 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.

In order to ensure that tap water is safe to drink, EPA prescribes regulations which limit the amount of certain contaminants in water provided by public water systems. FDA regulations establish limits for contaminants in bottled water which must provide the same protection for public health.

Contaminants may be found in drinking water that may cause taste, color, or odor problems. These types of problems are not necessarily causes for health concerns. For more information on taste, odor, or color of drinking water, please contact the system's business office.

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; persons 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 from infections. You should seek advice about drinking water from your physician or health care providers. Additional guidelines on appropriate means to lessen the risk of infection by *Cryptosporidium* are available from the Safe Drinking Water Hotline (800-426-4791).

#### Required 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. Acton Municipal Utility District 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>.

**Source Water Assessment Protection:** The TCEQ completed an assessment of your source water and results indicate that some of your sources are susceptible to certain contaminants. The sampling requirements for your water system are based on this susceptibility and previous sample data. Any detections of these contaminants may be found in this Consumer Confidence Report. For more information on source water and protection efforts at our system, contact Greg Reynolds.

For more information about your sources of water, please refer to the Source Water Assessment Viewer available at the following URL: <http://gis3.tecq.state.tx.us/swav/Controller/index.jsp?wtrsrc=> Further details about sources and source water assessments are available in Drinking Water Watch at the following URL: <http://dww.tecq.texas.gov/DWW/>.

#### *En Español*

Este reporte incluye información importante sobre el agua para tomar. Para asistencia en español, favor de llamar al telefono (817) 326-4720.

#### Overview

In 2012, AMUD distributed more than 844 million gallons of water to our customers. AMUD has grown from 6,785 water connections in December 2011 to 6,880 water connections in December 2012. A number of improvements to our water system have been completed. AMUD replaced 1,200 feet of defective 10" water line with a 12" water line. In addition, AMUD installed three (3) new fire hydrants and six (6) new valves. AMUD is updating and installing a new System Controls and Data Acquisition (SCADA) system which controls the daily operations of the water and wastewater system. These improvements will continue to provide our customers with an ample supply of water.

#### Public Participation Opportunities

We encourage public interest and participation in our community's decisions affecting drinking water.

Regular Board Meetings occur on the third Wednesday of every month, at the District Office located at 6420 Lusk Branch Court, the meetings begin at 9:00 AM. The public is welcome.

Consult our Web Site at [www.amud.com](http://www.amud.com) and/or contact us at (817) 326-4720, for further information, see U.S. Environmental Protection Agency (EPA) water information at [www.epa.gov/safewater/](http://www.epa.gov/safewater/).

Greg Reynolds provided information included in the water-quality table for the Consumer Confidence Report. For questions concerning Acton Municipal Utility District or our water quality, please call (817) 326-4720. Water quality data for community systems throughout the U.S. is available at [www.waterdata.com](http://www.waterdata.com). Learn more about AMUD water system at [www.amud.com](http://www.amud.com).

**DEFINITIONS:** The following tables contain scientific terms and measures, some of which may require explanation.

**Avg:** Regulatory compliance with some MCLs are based on running annual average of monthly samples.

**Maximum Contaminant Level or (MCL)** 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.

**Maximum Contaminant Level Goal or (MCLG)** The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.

**Maximum Residual Disinfectant Level (MRDL)** 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.

**Maximum Residual Disinfectant Level Goal (MRDLG)** The level of a drinking water disinfectant below which there is no known or expected risk to health. MRDLG's do not reflect the benefits of the use of disinfectants to control microbial contamination.

**MFL** – million fibers per liter (a measure of asbestos).

**na:** not applicable.

**NTU** – Nephelometric turbidity units (a measure of turbidity)

**pCi/l** – picocuries per liter (a measure of radioactivity)

**ppb:** micrograms per liter or parts per billion – or one ounce in 7,350,000 gallons of water.

**ppm:** milligrams per liter or parts per million – or one ounce in 7,350 gallons of water.

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

**ppq** – parts per quadrillion, or pictograms per liter (pg/L)

**2012 Regulated Contaminants Detected**

**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 Contamination
0	0	0		0	N	

**Maximum Residual Disinfectant Level**

Year	Disinfectant Type	Average Level	Min Level	Max Level	MRDL	MRDLG	Unit	Source
2012	Chlorine and Chloramine	1.79	0.06	5.4	4	4	ppm	Water additive used to control microbes

**Lead and Copper**

Definitions: Action Level Goal (ALG): The level of a contaminant in drinking water below which there is no known or expected risk to health. ALGs allow for a margin of safety.

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

	Date Sampled	MCLG	Action Level (AL)	90 <sup>th</sup> Percentile	# Sites Over AL	Units	Violation	Likely Source of Contamination
Copper	9/11/2010	1.3	1.3	0.127		ppm	N	Erosion of natural deposits; Leaching from wood preservatives; corrosion of household plumbing systems.
Lead	9/11/2010	0	15	5.96	2	ppb	N	Corrosion of household plumbing systems, erosion of natural deposits.

**Regulated Contaminants**

Disinfectants and Disinfection By-Products	Collection Date	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Units	Violation	Likely Source of Contamination
Haloacetic Acids (HAAS)*	2012	4	0 – 14.8	No goal for the total	60	ppb	N	By-product of drinking water disinfection.
Total Trihalomethanes (TTHM)*	2012	8	0 – 35	No goal for the total	80	ppb	N	By-product of drinking water disinfection.

**Inorganic Contaminants**

Inorganic Contaminants	Collection Date	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Units	Violation	Likely Source of Contamination
Antimony	2012	0.272	0.272 – 0.272	6	6	ppb	n	Discharge from petroleum refineries; fire retardants; ceramics; electronics; solder; test addition.
Barium	2012	0.0295	0.0295 – 0.0295	2	2	ppm	N	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits.
Chromium	2012	8.2	8.2 – 8.2	100	100	ppb	N	Discharge from steel and pulp mills; erosion of natural deposits.
Fluoride	2012	0.55	0.43 – .055	4	4.0	ppm	N	Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from fertilizer and aluminum factories.
Nitrate (measured as Nitrogen)	2012	2	0 – 1.69	10	10	ppm	N	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits.
Nitrite (measured as Nitrogen)	2012	0.025	0 – 0.025	1	1	Ppm	N	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits.
Selenium	2012	0.668	0.668 – 0.668	50	50	ppb	N	Discharge from petroleum and metal refineries; Erosion of natural deposits; Discharge from mines.
Radioactive Contaminants	Collection Date	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Units	Violation	Likely Source of Contamination
Combined Radium 226/228	11/02/2011	1	1 – 1	0	5	pCi/L	N	Erosion of natural deposits

**Turbidity**

Year	Contaminant	Highest Single Measurement	Lowest Monthly % of Samples Meeting Limits	Turbidity Limits	Unit of Measure	Source of Contaminant
2012	Turbidity	0.29	100	0.3	NTU	Soil Runoff

**Violations Table**

**E.coli – No E.Coli Found in 2012**

Fecal Coliforms and E.coli are bacteria whose presence indicates that the water may be contaminated with human or animal wastes. Microbes in these wastes can cause short-term effects, such as diarrhea, cramps, nausea, headaches, or other symptoms. They may pose a special health risk for infants, young children, and people with severely compromised immune systems.

Violation Type	Violation Begin	Violation End	Violation Explanation
MONITOR GWR TRIGGERED/ADDITIONAL MAJOR	10/01/2010	2012	We failed to collect follow-up samples within 24 hours of learning of the total coliform-positive sample. These needed to be tested for fecal indicators from all sources that were being used at the time the positive sample was collected.
MONITOR GWR TRIGGERED/ADDITIONAL MINOR	05/01/2011	2012	We failed to collect all the required follow-up samples within 24 hours of learning of the total coliform positive sample. These needed to be tested for fecal indicators from all sources that were being used at the time the positive sample was collected.

**Total Coliform – No Coliform Found in 2012**

Coliforms are bacteria that are naturally present in the environment and are used as an indicator that other, potentially-harmful, bacteria may be present.

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