

**City of Altus**  
**Public Water System I.D. 1011501**  
**Annual Water Quality Report**  
**2017**

We're pleased to present this year's Annual Water Quality Report. This report is designed to inform you about the water quality and services we provide. We want you to be aware of our continuing efforts to improve the water treatment process and protect our water resources. Our goal is to provide a safe, high quality and dependable supply of drinking water. We are committed to insuring the quality of your water. Our primary water source is The Mountain Park Conservancy District, which provides untreated water from Tom Steed Reservoir. The reservoir is located in southern Kiowa County approximately six miles north of Snyder, Oklahoma. This reservoir is classified by the Environmental Protection Agency as a "surface water source". The Mountain Park Conservancy District has a source water protection plan with a copy available at our office that shows the vulnerability of our surface source water as HIGH. Additional information such as potential sources of contamination is listed. This plan is available for public view upon written request submitted to the office of Public Works at 509 S. Main, Altus OK 73521. Our secondary source of water is the Altus Well Field in Wilbarger County Texas which draws groundwater from the Seymour Aquifer. This source of water is classified as a "ground water source".

**This report indicates the quality of our water and what it means to you.**

Este informe contiene información muy importante sobre su agua beber. Tradúzcalo ó hable con alguien que lo entienda bien.

If you have any questions about this report or your water utility, please contact Gene Leister, Water Treatment Supervisor at 481-2270 or Johnny Barron, Public Works Director at 481-3518. We want all our customers to be informed about their water utility. The water utility is managed by the Altus Municipal Authority (AMA). AMA meetings are open to the public and are held on the first Tuesday of each month at 6:30 p.m. in the city council chambers at City Hall, 509 S. Main Street.

Altus Water Treatment personnel routinely monitor the drinking water for constituents according to Federal and State laws. The table below shows results of our monitoring for the period of January 1<sup>st</sup> to December 31<sup>st</sup>, 2017. All drinking water, including bottled drinking water, may be reasonably expected to contain at least small amounts of some constituents. It's important to remember that the presence of these constituents does not necessarily pose a health risk.

In the table you will find many terms and abbreviations you might not be familiar with. To help you better understand these terms we've provided the following definitions:

**Maximum Contaminant Level (MCL)** - The MCL is 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 (MCLG)** -The MCLG is 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.

**Nephelometric Turbidity Unit (NTU)** - a nephelometric turbidity unit is a measure of the clarity of water. Turbidity less than 5 NTU is not typically noticeable to the average person.

**Parts per million (ppm) or Milligrams per liter (mg/l)** – ppm is a measure of the concentration of a substance in water where one unit of substance is diluted into one million units of water.

**Parts per billion (ppb) or Micrograms per liter (ug/l)** - ppb is a measure of the concentration of a substance in water where one unit of substance is diluted into one billion units of water.

**Total Trihalomethanes (TTHM)** - TTHMs are a range of chlorinated, carbon-based chemicals that form when chlorine reacts with certain organic compounds that are naturally found in surface water.

**City of Altus Public Water Supply 2017 Lab Results I.D. # OK1011501**

<b>Contaminant</b>	<b>Violation Yes/No</b>	<b>Highest Level Detected</b>	<b>Range Detected</b>	<b>MCL</b>	<b>MCLG</b>	<b>Likely Source of Contamination</b>
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**Microbiological Contaminants**

Total Coliform Bacteria	No	0	None	5 %	0	Naturally present in the environment
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Turbidity (NTU)	No	0.81 NTU Less than 0.3 NTU's in 95.7 % of monthly samples.	0.04-0.81	5 NTU Less than 0.3 NTU's in 95% of monthly samples	N/A	Soil runoff
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**Volatile Organic Contaminants**

Total trihalomethanes (TTHM)	No	57 ppb Highest quarterly avg.	15-79	80 ppb	0	By-product of drinking water chlorination
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Total haloacetic acids (THAA5)	No	13 ppb Highest quarterly avg.	4-17	60 ppb	0	By-product of drinking water chlorination
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**Inorganic Contaminants**

Chlorites	No	.67 ppm	.09-.67	1.0 ppm	0.8 ppm	Additive used to control microbes
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Fluoride	No	0.24 ppm	0.10-0.24	4.0 ppm	4.0 ppm	Erosion of natural deposits, discharge from fertilizer and aluminum factories. Water additive which promotes strong teeth.
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Nitrate (as Nitrogen)	No	2.14 ppm	2.14-2.14	10 ppm	10 ppm	Runoff from fertilizer use, erosion of natural deposits.
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Total Organic Carbon (avg. removal ratio for the year)	No	2.71	2.71-3.22	Minimum removal ratio 1.0	N/A	Naturally present in the environment
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## What does this mean?

**This table shows our system had no violations during the year.**

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 (800-426-4791).

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 prior to treatment include:**

- **Microbial contaminants**, such as viruses and bacteria, which may come from agricultural, livestock operations, wildlife, sewage treatment plants and septic systems.
- **Inorganic contaminants**, such as salts and metals, which can be naturally-occurring or result from urban stormwater 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 and residential uses.
- **Radioactive contaminants**, which are naturally occurring.
- **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 stormwater runoff, and septic systems.

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as those with cancer and 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. EPA/CDC guidelines on appropriate means to lessen the risk of infection by cryptosporidium and other microbiological contaminants are available from the Safe Drinking Water Hotline (800-426-4791).

Thank you for allowing us to continue providing your family with clean, quality water. In order to maintain a safe and dependable water supply we continually make improvements that will benefit all of our customers. These improvements are sometimes reflected as rate structure adjustments. We appreciate your support and understanding. For more information, please contact Johnny Barron, City Engineer/Public Works Director, at 481-3518 or Gene Leister, Water Treatment Plant Supervisor, at 481-2270. Written inquiries should be addressed to City of Altus, Attn: Johnny Barron 509 S. Main, Altus, Oklahoma 73521

*Please share this information with all the other people who drink this water, especially those who may not have received this notice directly (for example, people in apartments, nursing homes, schools, and businesses). You can do this by posting this notice in a public place or distributing copies by hand or mail.*

This notice is being sent to you by the **City of Altus** PWSID#: **OK1011501**

Date distributed: 9-25-18 Signed: Gene Leister, Water Treatment Supervisor

