

A photograph of a clear glass pitcher pouring water into a clear glass. The water is captured in mid-pour, creating a dynamic splash. The background is a soft, light blue gradient.

Annual
WATER
QUALITY
Report

2017

FOUKE WATER SUPPLY CORPORATION
Public Water System ID Number: 2500016

Public Participation Opportunities

You are invited to participate in our public forum during our regular scheduled board meetings and voice your concerns about your drinking water. We normally meet the third Monday of each month at 4:30 p.m. at our office located at 156 FM 1254, Mineola, TX.

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.

For more information contact Kristi Hirsch at 903-967-3304.

Este informe contiene información muy importante sobre el agua que usted bebe. Tradúzcalo ó hable con alguien que lo entienda bien.

Special Notice

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.

Important Health Information

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; 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 from 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).

Lead in Home Plumbing

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. Fouke WSC 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 minimum exposure is available from the Safe Drinking Water Hotline or at <http://www.epa.gov/safewater/lead>.

Information on Sources of Water

The source of drinking water used by Fouke WSC is Ground Water. It comes from the Wilcox Aquifer, Carrizo Sand located in Wood County.

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 EPAs Safe Drinking Water Hotline at (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.

Information about Secondary Contaminants

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.

Source Water Assessments

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 detection of these contaminants may be found in this Consumer Confident Report. For more information on source water assessments and protection efforts at our system, contact Kristi Hirsch @ 903-967-3304.

For more information about your sources of water, please refer to the Source Water Assessment Viewer available at the following URL: <https://www.tceq.texas.gov/gis/swaview>

Further details about sources of source water assessments are available in Drinking Water Watch at the following URL: <http://dww2.tceq.texas.gov/DWW>

<u>Source Water Name</u>	<u>Type of Water</u>	<u>Report Status</u>	<u>Location</u>
1 – Plant 2 / Mt Pisgah	GW	A	192 CR 3275, Mineola, TX 75773
2 – CR 3275 ADJ to Plant 2	GW	A	284 CR 3275, Mineola, TX 75773
3 – CR 3277 ADJ to Plant 2	GW	A	486 CR 3277, Mineola, TX 75773
4 – Plant 6 Crow (FM 3836 / N of US 80)	GW	A	130 CR 3836, Hawkins, TX 75765
5R – Plant 7 (FM 49 / FM 312)	GW	A	5654 FM 49, Mineola, TX 75773
6 – Plant 8 (CR 3860)	GW	A	1537 CR 3860, Mineola, TX 75773
7 – Plant 8 (CR 3860)	GW	A	1292 CR 3860, Mineola, TX 75773

DEFINITIONS

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

ALG (Action Level Goal): 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.

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.

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

MRDL (Maximum Residual Disinfectant 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.

MRDLG (Maximum Residual Disinfectant 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.

***ppb (micrograms per liter or parts per billion):** One ounce in 7,350,000 gallons of water.

****ppm (milligrams per liter or parts per million):** One ounce in 7,350 gallons of water.

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

FYI
 *Comparative sizes of ppb (parts per billion) or ur/L is 1 penny out of \$10,000,000 or one second out of 32 years.
 **Comparative sizes of ppm (parts per million) or mg/L is 1 penny out of \$10,000 or one minute out of 2 years or one inch out of 16 miles.

Lead & Copper	Date Sampled	MCLG	Action Level (AL)	90th Percentile	# Sites Over AL	Units	Violation	Likely Source of Contamination
Copper	08/02/2016	1.3	1.3	0.27	0	ppm	N	Erosion of natural deposits; Leaching from wood preservatives; Corrosion of household plumbing systems.
Lead	08/02/2016	0	15	2.5	0	ppb	N	Corrosion of household plumbing systems; Erosion of natural deposits.

REGULATED CONTAMINANTS

Disinfectants and Disinfection By-Products	Collection Date	Highest Level or Average Detected	Range of Individual Samples	MCLG	MCL	Units	Violation	Likely Source of Contamination
Haloacetic Acids (HAA5)*	2017	13	8.7 - 16	No goal for the total	60	ppb	N	By-product of drinking water disinfection.
Total Trihalomethanes (TTHm)**	2017	39	20.7 – 68.5	No goal for the total	80	ppb	N	By-Product of drinking water disinfection.

* The value in the Highest Level or Average Detected column is the highest average of all HAA5 sample results collected at a location over a year.

** The value in the Highest Level or Average Detected column is the highest average of all TTHM sample results collected at a location over a year.

Inorganic Contaminants	Collection Date	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Units	Violation	Likely Source of Contamination
Barium	2016	0.028	0.0049 – 0.028	2	2	ppm	N	Discharge of drilling wastes; Discharge from meter refineries; Erosion of natural deposits.
Chromium	2016	4.5	1.9 – 4.5	100	100	Ppb	N	Discharge from steel and pulp mills; Erosion of natural deposits.
Fluoride	2017	0.265	0.112 – 0.265	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]	2017	0.11	0.0194 – 0.11	10	10	ppm	N	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits.

Nitrate Advisory – Nitrate in drinking water at levels above 10 ppm is a health risk for infants of less than six months of age. High nitrate levels in drinking water can cause blue baby syndrome. Nitrate levels may rise quickly for short periods of time because of rainfall or agricultural activity. If you are caring for an infant, you should ask advice from your health care provider.

Radioactive Contaminants	Collection Date	Highest Level Detected	Range of Individual Samples	MCLG	MCL	Units	Violation	Likely Source of Contamination
Combined Radium 226/228	04/25/2012	1	1 – 1	0	5	pCi/L	N	Erosion of natural deposits.

Volatile Organic Contaminants	Collection Date	Highest Level Detected	Range of Individual Samples	MCLG	MCL	Units	Violation	Likely Source of Contamination
Xylenes	2017	0.00197	0 – 0.00197	10	10	ppm	N	Discharge from petroleum factories; Discharge from chemical factories.

Year	Disinfectant	Average Level	Range of Levels Detected	MRDL	MRDLG	Unit of Measure	Violation	Source of Chemical
2017	Chlorine Residual, Free	1.15	.40 - 2.21	4	4	ppm	No	Water additive used to control microbes.