

# 2019 Annual Drinking Water Quality Report

For the period of January 1 to December 31, 2019

(Consumer Confidence Report)

Southwest Milam Water Supply Corporation- Public Water System I.D. # 1660015

Phone No.: (512) 446-2604

Este reporte incluye información importante sobre el agua para tomar. Para asistencia en Español, favor de llamar al telefono 512-446-2604. Southwest Milam Water se encargará de que un traductor lo ayude.

This is your water quality report for January 1 to December 31, 2019. Southwest Milam WSC provides ground water from:

SOURCE WATER NAME	WELL LOCATION	TYPE OF WATER	AQUIFER
5- ANTHIS	ROCKDALE	GROUNDWATER	CARRIZO-WILCOX
6- BIRKHEAD	ROCKDALE	GROUNDWATER	CARRIZO-WILCOX
7- MILANO	MILANO	GROUNDWATER	CARRIZO-WILCOX
8- ROCKDALE	ROCKDALE	GROUNDWATER	CARRIZO-WILCOX

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

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

**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.

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

**Level 1 Assessment:** A Level 1 assessment is a study of the water system to identify potential problems and determine (if possible) why total coliform bacteria have been found in our water system.

**Level 2 Assessment:** A Level 2 assessment is a very detailed study of the water system to identify potential problems and determine (if possible) why an E. coli MCL violation has occurred and/or why total coliform bacteria have been found in our water system on multiple occasions.

**Maximum Contaminant Level (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 (MCLG):** The level of a contaminant in drinking water below which there is no known or expected health risk. MCLGs 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 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.

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

**mrem:** millirems per year (a measure of radiation absorbed by the body)

**NA:** not applicable

**NTU:** Nephelometric Turbidity Units (a measure of turbidity)

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

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

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

**ppq:** parts per quadrillion, or picograms per liter (pg/L)

**ppt:** parts per trillion, or nanograms per liter (ng/L)

**Treatment Technique (TT):** A required process intended to reduce the level of a contaminant in drinking water.

### **Information about your Drinking Water**

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.

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 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.

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

Contaminants may be found in drinking water 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 Southwest Milam Water at (512) 446-2604.**

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 to 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).

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. SOUTHWEST MILAM WATER SUPPLY is responsible for providing high quality drinking water, but we 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>.

## Information about Source Water

TCEQ completed an assessment of your source water, and results indicate that some of our sources are susceptible to certain contaminants. The sampling requirements for your water system is based on the susceptibility and previous sample data. Any detections of these contaminants will be found in this Consumer Confidence Report. For more information on source water assessments and protection efforts at our system, contact Ken Hall, General Manager at (512) 446-2604.

Lead and Copper	Date Sampled	MCLG	Action Level (AL)	90 <sup>th</sup> Percentile	# Sites over AL	Units	Violation	Likely Source of Contamination
Copper	2019	1.3	1.3	0.2	0	ppm	N	Erosion of natural deposits; Leaching from wood preservatives; Corrosion of household plumbing systems
Lead	2019	0	15	1.39	0	ppb	N	Corrosion of household plumbing systems; Erosion of natural deposits.

### 2019 Water Quality Test Results

Disinfection By-Products	Collection Date	Highest Level Detected	Range of Individual Samples	MCLG	MCL	Units	Violation	Likely Source of Contamination
Bromate	2019	1	0-8.55	0	10	ppb	N	By-product of drinking water disinfection.
Haloacetic Acids (HAA5)	2019	2	0-2.4	No goal for the total.	60	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.'

Total Trihalomethanes (TTHM)	2019	8	2.9-8.4	No goal for the total	80	ppb	N	By-product of drinking water disinfection.
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\*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 Individual Samples	MCLG	MCL	Units	Violation	Likely Source of Contamination
Barium	2019	0.172	0.119-0.172	2	2	ppm	N	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits.
Fluoride	10/08/2018	0.1	0.1-0.1	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)	2019	1	0-0.58	10	10	ppm	N	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits.

Radioactive Contaminants	Collection Date	Highest Level Detected	Range of Individual Samples	MCLG	MCL	Units	Violation	Likely Source of Contamination
Combined Radium 226/228	2019	1.5	1.5-1.5	0	5	pCi/L	N	Erosion of natural deposits.

#### Disinfectant Residual

Disinfectant Residual	Year	Average Level	Range of Levels Detected	MRDL	MRDLG	Unit of Measure	Violation (Y/N)	Source in Drinking Water
Chlorine (Free)	2019	1.65	1.15-2.17	4	4	ppm	N	Water additive used to control microbes.

#### Violations

Lead and Copper Rule			
The Lead and Copper Rule protects public health by minimizing lead and copper levels in drinking water, primarily by reducing water corrosivity. Lead and copper enter drinking water mainly from corrosion of lead and copper containing plumbing materials.			
Violation Type	Violation Begin	Violation End	Violation Explanation
LEAD CONSUMER NOTICE (LCR)	12/30/2019	03/19/2020	We failed to provide the results of lead tap water monitoring to the consumers at the location water was tested. These were supposed to be provided no later than 30 days after learning the results.

#### Water Loss

Each year Southwest Milam Water Supply is required to prepare and submit a water loss audit to the Texas Water Development Board, and report water loss to our customers. In 2019 Southwest Milam Water Supply produced approximately 506,198,010 gallons of water and experienced a water loss of 29.73% (137,518,613 gallons of water.) Southwest Milam Water Supply has adopted a Water Conservation Plan to reduce this water loss over the next five years. The water loss audit is a tool used to assess the volume of water produced compared to the volume of water sold to customers and maintain water quality. Water loss cannot be avoided, as line breaks, undetected leaks, and line flushing occur throughout the Corporation's water distribution and delivery system. Southwest Milam Water Supply Corporation strives to minimize water losses through timely responses to all water related calls for service, system maintenance, ongoing water meter replacement, and other policies as outlined in our Water Conservation Plan.