

Public Water Supply ID: TX2210015

Consumer Confidence Report

2025 CCR

Annual Drinking Water Quality Report

SUN WSC

Public Water System ID: TX2210015

We are pleased to present to you the Annual Water Quality Report (Consumer Confidence Report) for the year, for the period of January 1 to December 31, 2025. 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. (Este informe contiene información muy importante sobre su agua potable. Tradúzcalo o hable con alguien que lo entienda bien).

For more information regarding this report, contact:

Name: Molly Bryant

Phone: (325)928-5406

PUBLIC PARTICIPATION OPPORTUNITIES AT WATER BOARD MEETINGS

Date: Third Tuesday of every other month. Time: 6:30 pm

Note – The meeting time and date may change due to conflicting community events

Location: Water office – 135 Edwards, Merkel, Texas 79536 | Phone: (325) 928-5406

Sources of Drinking Water

SUN WSC is Purchased surface water from the City of Abilene which treats surface water from Lake Fort Phantom, Lake Ivie and Hubbard Creek Lake

Our water source(s) and source water assessment information are listed below:

Source Name		Type of Water	Report Status	Location
FROM PS 4 / PP4	CC FROM TX2210015 SUN WSC	Surface water		
FROM PS1 / PP1	CC FROM TX2210015 SUN WSC	Surface water		
FROM PS2 / PP2	CC FROM TX2210015 SUN WSC	Surface water		
FROM REYNOLDS STANDPIPE	CC FROM TX2210015 SUN WSC	Ground water		
GW FROM BITTER CREEK WSC SOUTH		Ground water		
SW FROM CITY OF ABILENE	I/C WITH TX2210001	Surface 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 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:

A service line inventory has been prepared and can be accessed ___ <https://sunwsc.com/all-forms-and-reports>.

Category	Count
Lead	0
GRR	0
Non-Lead	1,372
Unknown	0
Total: 1,372	

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 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, urban stormwater 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 stormwater 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.

Some people may be more vulnerable to contaminants in drinking water than the general population.

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.

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. EPA/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 (800-426-4791).

Lead can cause serious health effects in people of all ages, especially pregnant people, infants (both formula-fed and breastfed), and young children. Lead in drinking water is primarily from materials and parts used in service lines and in home plumbing. SUN WSC is responsible for providing high quality drinking water and removing lead pipes but cannot control the variety of materials used in the plumbing in your home. Because lead levels may vary over time, lead exposure is possible even when your tap sampling results do not detect lead at one point in time. You can help protect yourself and your family by identifying and removing lead materials within your home plumbing and taking steps to reduce your family's risk. Using a filter, certified by an American National Standards Institute accredited certifier to reduce lead, is effective in reducing lead exposures. Follow the instructions provided with the filter to ensure the filter is used properly. Use only cold water for drinking, cooking, and making baby formula. Boiling water does not remove lead from water. Before using tap water for drinking, cooking, or making baby formula, flush your pipes for several minutes. You can do this by running your tap, taking a shower, doing laundry or a load of dishes. If you have a lead service line or galvanized requiring replacement service line, you may need to flush your pipes for a longer period. If you are concerned about lead in your water and wish to have your water tested, contact SUN WSC at 325-928-5406. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available at <https://www.epa.gov/safewater/lead>.

In the tables below, 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:

Action Level (AL): 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.

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 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 goal or 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.

Maximum residual disinfectant level or 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.

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

Variations and Exemptions: State or EPA permission not to meet an MCL or a treatment technique under certain conditions.

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

RAA: Running Annual Average.

LRAA: Locational Running Annual Average.

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

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.

picocuries per liter (pCi/L): picocuries per liter is a measure of the radioactivity in water.

na: not applicable.

Disinfectant Residual

All public water systems in Texas are required to disinfect drinking water to ensure control of microbial contaminants. Disinfectants are water additives used to control microbes.

Disinfectant	Year	Average Level	Unit	Range	MRDL/MRDLG Goal
Chloramines	2025	1.8	ppm	1.7-3.7	4/4

Regulated Contaminants

In the tables below, we have shown the regulated contaminants that were detected. Chemical Sampling of our drinking water may not be required on an annual basis; therefore, information provided in this table refers back to the latest year of chemical sampling results.

Lead and Copper	Period	90TH Percentile: 90% of your water utility levels were less than	Range of Sampled Results (low - high)	Unit	AL	Sites Over AL	Typical Source
COPPER, FREE	2022 - 2024	0.541	0 - 0.94	ppm	1.3	0	Corrosion of household plumbing systems; Erosion of natural deposits; Leaching from wood preservatives
LEAD	2022 - 2024	0	0 - 18.7	ppb	15	2	Corrosion of household plumbing systems; Erosion of natural deposits

Disinfection Byproducts	Sample Point	Period	Highest LRAA	Range	Unit	MCL	MCLG	Typical Source
TOTAL HALOACETIC ACIDS (HAA5)	732 CR 401, MERKEL, TX	2025	11	10	ppb	60	0	By-product of drinking water disinfection
TTHM	6249 SHIRLEY RD SMS, ABILENE	2025	37	51.8	ppb	80	0	By-product of drinking water chlorination

Regulated Contaminants	Collection Date	Highest Value	Range	Unit	MCL	MCLG	Typical Source
DIBROMOCHLOROMETHANE	11/3/2025	14.6	6.84 - 14.6	UG/L	0	0.06	
NITRATE	2/4/2025	0.344	0.344	ppm	10	10	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits
NITRATE-NITRITE	5/29/2024	0.294	0.294	ppm	10	10	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits

Total Organic Carbon

The percentage of Total Organic Carbon (TOC) removal was measured each month and the system met all TOC removal requirements set, unless a TOC violation is noted in the violations section.

TOC	Collection Date	Highest Value	Range	Unit	TT	Typical Source
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CARBON, TOTAL	2/4/2025	7	2.77 - 7		0	Naturally present in the environment
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Additional Required Health Effects Language:

Infants and children are typically more vulnerable to lead in drinking water than the general population. It is possible that lead levels at your home may be higher than at other homes in the community as a result of materials used in your home's plumbing. If you are concerned about elevated lead levels in your home's water, you may wish to have your water tested and flush your tap for 30 seconds to 2 minutes before using tap water. Additional information is available from the Safe Drinking Water Hotline (800-426-4761).

Reseller Contaminants – City of Abilene

Microbiological	Result		MCL		MCLG	Typical Source	
COLIFORM (TCR)	In the month of September, 0.91% of sample(s) returned as positive		Treatment Technique Trigger		0	Naturally present in the environment	
Lead and Copper	Period	90TH Percentile: 90% of your water utility levels were less than	Range of Sampled Results (low - high)	Unit	AL	Sites Over AL	Typical Source
COPPER, FREE	2021 - 2023	0.249	0 - 0.578	ppm	1.3	0	Corrosion of household plumbing systems; Erosion of natural deposits; Leaching from wood preservatives
LEAD	2021 - 2023	0	0 - 5.76	ppb	15	0	Corrosion of household plumbing systems; Erosion of natural deposits
Regulated Contaminants	Collection Date	Water System	Highest Sample Result	MCLG		Typical Source	
ARSENIC	3/3/2025	CITY OF ABILENE	1.1	0		Erosion of natural deposits; Runoff from orchards; Runoff from glass and electronics production wastes	
BARIUM	3/11/2025	CITY OF ABILENE	0.18	2		Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits	
CYANIDE	11/18/2025	CITY OF ABILENE	149	200		Discharge from steel/metal factories; Discharge from plastic and fertilizer factories	
DIBROMOCHLOROMETHANE	6/2/2025	CITY OF ABILENE	13.6	0.06			
FLUORIDE	3/3/2025	CITY OF ABILENE	0.229	4		Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from fertilizer and aluminum factories	
NICKEL	7/24/2025	CITY OF ABILENE	0.0043	0.1			
NITRATE	3/3/2025	CITY OF ABILENE	0.338	10		Runoff from fertilizer use; Leaching from septic	

					tanks, sewage; Erosion of natural deposits
Unregulated Contaminants	Collection Date	Water System	Highest Sample Result	Health-Based Reference (µg/L)	Health Information Summary (recommended, not required in the CCR)
lithium	2025	CITY OF ABILENE	11	4	This data is part of UCMR5 results in relation to minimum reporting levels and available non-regulatory health-based reference concentrations.
PFBA	2025	CITY OF ABILENE	11	0	This data is part of UCMR5 results in relation to minimum reporting levels and available non-regulatory health-based reference concentrations.
PFHxA	2025	CITY OF ABILENE	9	0	This data is part of UCMR5 results in relation to minimum reporting levels and available non-regulatory health-based reference concentrations.

Disinfection Byproducts	Monitoring Period	Water System	Highest LRAA	Range of Sampled Result(s) (low - high)	Unit	MCL	MCLG	Typical Source
TOTAL HALOACETIC ACIDS (HAA5)	2025	CITY OF ABILENE	16	13 - 19.9	ppb	60	0	By-product of drinking water disinfection
TOTAL HALOACETIC ACIDS (HAA5)	2025	CITY OF ABILENE	17	13 - 19.2	ppb	60	0	By-product of drinking water disinfection
TOTAL HALOACETIC ACIDS (HAA5)	2025	CITY OF ABILENE	17	8.7 - 19.9	ppb	60	0	By-product of drinking water disinfection
TOTAL HALOACETIC ACIDS (HAA5)	2025	CITY OF ABILENE	17	15.3 - 17.1	ppb	60	0	By-product of drinking water disinfection
TOTAL HALOACETIC ACIDS (HAA5)	2025	CITY OF ABILENE	16	12.1 - 19.4	ppb	60	0	By-product of drinking water disinfection
TOTAL HALOACETIC ACIDS (HAA5)	2025	CITY OF ABILENE	23	10.3 - 21	ppb	60	0	By-product of drinking water disinfection
TOTAL HALOACETIC ACIDS (HAA5)	2025	CITY OF ABILENE	18	11 - 20.1	ppb	60	0	By-product of drinking water disinfection
TOTAL HALOACETIC ACIDS (HAA5)	2025	CITY OF ABILENE	17	13.9 - 17.8	ppb	60	0	By-product of drinking water disinfection
TTHM	2025	CITY OF ABILENE	40	20.6 - 43.8	ppb	80	0	By-product of drinking water chlorination
TTHM	2025	CITY OF ABILENE	31	19.6 - 32.4	ppb	80	0	By-product of drinking water chlorination
TTHM	2025	CITY OF ABILENE	42	14.3 - 48.2	ppb	80	0	By-product of drinking water chlorination

TTHM	2025	CITY OF ABILENE	41	19.5 - 42.3	ppb	80	0	By-product of drinking water chlorination
TTHM	2025	CITY OF ABILENE	42	22.2 - 40.1	ppb	80	0	By-product of drinking water chlorination
TTHM	2025	CITY OF ABILENE	46	14.4 - 43.4	ppb	80	0	By-product of drinking water chlorination
TTHM	2025	CITY OF ABILENE	34	21.1 - 36	ppb	80	0	By-product of drinking water chlorination
TTHM	2025	CITY OF ABILENE	23	16.2 - 22.9	ppb	80	0	By-product of drinking water chlorination

There are no additional required health effects notices from Purchases.

There are no additional required health effects violation notices from Purchases.

Reseller Contaminants – Bitter Creek WSC

Lead and Copper	Period	90TH Percentile: 90% of your water utility levels were less than	Range of Sampled Results (low - high)	Unit	AL	Sites Over AL	Typical Source
COPPER, FREE	2022 - 2024	0.139	0.0042 - 0.407	ppm	1.3	0	Corrosion of household plumbing systems; Erosion of natural deposits; Leaching from wood preservatives
LEAD	2022 - 2024	0	0 - 11.1	ppb	15	0	Corrosion of household plumbing systems; Erosion of natural deposits

Disinfection Byproducts	Sample Point	Period	Highest LRAA	Range	Unit	MCL	MCLG	Typical Source
TOTAL HALOACETIC ACIDS (HAA5)	2125 FM 1856, SWEETWATER	2025	0	0	ppb	60	0	By-product of drinking water disinfection
TOTAL HALOACETIC ACIDS (HAA5)	2483 FM 419 S, SWEETWATER	2025	0	0	ppb	60	0	By-product of drinking water disinfection
TTHM	2125 FM 1856, SWEETWATER	2025	0	0	ppb	80	0	By-product of drinking water chlorination
TTHM	2483 FM 419 S, SWEETWATER	2025	2	2.48	ppb	80	0	By-product of drinking water chlorination

Regulated Contaminants	Collection Date	Highest Value	Range	Unit	MCL	MCLG	Typical Source
BARIUM	5/30/2023	0.14	0.14	ppm	2	2	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits

DIBROMOCHLOROMETHANE	5/28/2025	1.48	0 - 1.48	UG/L	0	0.06	
FLUORIDE	5/30/2023	0.551	0.551	ppm	4	4	Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from fertilizer and aluminum factories
NITRATE	5/28/2025	1.72	1.72	ppm	10	10	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits
Radiological Contaminants	Collection Date	Highest Value	Range	Unit	MCL	MCLG	Typical Source
COMBINED RADIUM (-226 & -228)	5/30/2023	1.03	1.03	pCi/L	5	0	Erosion of natural deposits
COMBINED URANIUM	5/30/2023	3.9	3.9	µg/L	30	0	Erosion of natural deposits
GROSS ALPHA, EXCL. RADON & U	5/30/2023	9	9	pCi/L	15	0	Erosion of natural deposits
GROSS ALPHA, INCL. RADON & U	5/30/2023	11.8	11.8	pCi/L	0	0	Erosion of natural deposits
GROSS BETA PARTICLE ACTIVITY	5/30/2023	6	6	pCi/L	50	0	Decay of natural and man-made deposits.
RADIUM-226	5/30/2023	1.03	1.03	PCI/L	5	0	Erosion of natural deposits

There are no additional required health effects notices from Purchases.

There are no additional required health effects violation notices from Purchases.