BRANDON-IRENE WSC

Public Water Supply ID: TX1090018

Consumer Confidence Report

2025 CCR

Annual Drinking Water Quality Report

BRANDON-IRENE WSC

Public Water System ID: TX1090018

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 reporte incluye informacion importante sobre el agua para tomar. Para asistencia en español, favor de llamar al telefono (254) 632-4120.

For more information regarding this report, contact:
Name: Joshua Peeples – General Manager
Phone: (254) 632-4120

Sources of Drinking Water

BRANDON-IRENE WSC purchases surface water from Aquilla WSD (TX109068)

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

Source Name		Type of Water	Report Status	Location
1 - PS 1 / 1590 FM 1243	PS 1 BRANDON / FM 1243	Ground water	Yes	www.brandonirenewsc.com 7416 SH 171, Brandon, Tx
4 - PS 4 / 5822 HWY 22	PS 4 (HWY 22 / FM 286)	Ground water	Yes	www.brandonirenewsc.com 7416 SH 171, Brandon, Tx
5 - PS 5 / 145 CR 3123 E	PS 5 / 145 CR 3123 E	Ground water	Yes	www.brandonirenewsc.com 7416 SH 171,Brandon, Tx
SW FROM AQUILLA WSD	I/C WITH TX1090068	Surface water	Yes	https://aquillawsd.org 144 FM 194 Hillsboro, TX

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 some small amounts of 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:

Lead Service Line Inventory – All distribution and service lines within the Brandon-Irene WSC CCN have been checked by crew members. No lead lines exist in the system. A service line inventory has been prepared and can be accessed https://www.brandonirenewsc.com/documents/434/BIWSC_LSLI_TX_Template.pdf .

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 people such as people with cancer undergoing chemotherapy, people 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. BRANDON-IRENE 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 BRANDON-IRENE WSC at 254-582-2587. 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 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.
Variances 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.

Aquilla WSD (TX1090068)

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.

Disinfection Byproducts	Sample Point	Period	Highest LRAA	Range	Unit	MCL	MCLG	Typical Source
TOTAL HALOACETIC ACIDS (HAA5)	722 HCR 4343, HILLSBORO	2025	27	26.8	ppb	60	0	By-product of drinking water disinfection
TTHM	722 HCR 4343, HILLSBORO	2025	20	19.7	ppb	80	0	By-product of drinking water chlorination

Regulated Contaminants	Collection Date	Highest Value	Range	Unit	MCL	MCLG	Typical Source
ATRAZINE	9/3/2025	0.3	0 - 0.3	ppb	3	3	Runoff from herbicide used on row crops
BARIUM	3/18/2025	0.046	0.046	ppm	2	2	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits
DI(2-ETHYLHEXYL) PHTHALATE	11/17/2025	1.7	0 - 1.7	ppb	6	0	Discharge from rubber and chemical factories

DIBROMOCHLOROMETHANE	9/3/2025	2.15	0 - 2.15	UG/L	0	0.06	
FLUORIDE	3/18/2025	0.212	0.212	ppm	4	4	Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from fertilizer and aluminum factories
NICKEL	3/18/2025	0.0024	0.0024	MG/L	0	0.1	
NITRATE	3/18/2025	1.84	1.84	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
GROSS BETA PARTICLE ACTIVITY	1/10/2023	4.6	4.6	pCi/L	50	0	Decay of natural and man-made deposits.

Turbidity

Turbidity is a measurement of the cloudiness of the water caused by suspended particles. We monitor it because it is a good indicator of water quality and the effectiveness of our filtration.

Percentage of samples in compliance with Std	Months Occurred	Violation	Highest Single Measurement	Month Occurred	Sources	Level Indicator
100.00	12	NO	0.08	December	SWTP AQUILLA	Yes

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
CARBON, TOTAL	1/2/2025	6.03	2.93 - 6.03		0	Naturally present in the environment

Additional Required Health Effects Language:

Some people who drink water containing methoxychlor in excess of the MCL over many years could experience reproductive difficulties.

There are no additional required health effects violation notices.

Brandon-Irene WSC

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
Chlorine (Free)	2025	1.56mg/L	mg/L	.30 – 4.0mg/L	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	2025	0.149	0.00547 - 0.355	ppm	1.3	0	Corrosion of household plumbing systems; Erosion of natural deposits; Leaching from wood preservatives
LEAD	2025	2.56	0 - 53.9	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)	549 FM 286, HILLSBORO	2025	18	7.7	ppb	60	0	By-product of drinking water disinfection
TTHM	848 FM 1946, BYNUM	2025	29	16.1	ppb	80	0	By-product of drinking water chlorination

Regulated Contaminants	Collection Date	Highest Value	Range	Unit	MCL	MCLG	Typical Source
ARSENIC	4/29/2025	3.9	0 - 3.9	ppb	10	0	Erosion of natural deposits; Runoff from orchards; Runoff from glass and electronics production wastes
ATRAZINE	10/15/2025	0.2	0 - 0.2	ppb	3	3	Runoff from herbicide used on row crops
BARIUM	4/29/2025	0.085	0.046 - 0.085	ppm	2	2	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits
CHROMIUM	4/29/2025	2.4	0 - 2.4	ppb	100	100	Discharge from steel and pulp mills; Erosion of natural deposits
DIBROMOCHLOROMETHANE	2/24/2025	8.99	0 - 8.99	UG/L	0	0.06	
FLUORIDE	3/6/2024	1.56	0.581 - 1.56	ppm	4	4	Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from fertilizer and aluminum factories
NICKEL	10/15/2025	0.003	0 - 0.003	MG/L	0	0.1	
NITRATE	10/15/2025	0.125	0.0329 - 0.125	ppm	10	10	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits
NITRATE-NITRITE	12/10/2020	0.154	0.154	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)	6/17/2024	1.5	1.5	pCi/L	5	0	Erosion of natural deposits

Violations

During the period covered by this report we had the below noted violations.

Violation Period	Analyte	Violation Type	Violation Explanation
10/17/2024 - 3/1/2025	PUBLIC NOTICE	PUBLIC NOTICE RULE LINKED TO VIOLATION	Failed to issue public notice or failed to provide a copy of the notice and certification to the state
10/17/2024 - 3/1/2025	LEAD AND COPPER RULE REVISIONS	LSL INVENTORY-INITIAL	
10/17/2024 - 3/1/2025	LEAD AND COPPER RULE REVISIONS	LSL REPORTING-INITIAL	
1/1/2025 - 3/31/2025	CHLORINE	MONITORING, ROUTINE (DBP), MAJOR	Failed to monitor/report as required for chlorine or disinfection by-products
4/1/2025 - 6/30/2025	CHLORINE	MONITORING, ROUTINE (DBP), MAJOR	Failed to monitor/report as required for chlorine or disinfection by-products
7/1/2025	CONSUMER CONFIDENCE RULE	CCR ADEQUACY/AVAILABILITY/CONTENT	Inadequate Consumer Confidence Report (CCR) or failure to deliver a CCR Certification form to the state on time

There are no additional required health effects notices.

There are no additional required health effects violation notices.

Public Participation Opportunity – May 14, 2026, Brandon community Center, 7416 State Hwy 22, Brandon, Texas 76628