

# 2023 Annual Drinking Water Quality Report

## (Consumer Confidence Report)



This report is intended to provide you with important information about your drinking water and the efforts made to provide safe drinking water.

You may be more vulnerable than the general population to certain microbial contaminants, such as Cryptosporidium, in drinking water. Immune-compromised person such as persons with cancer undergoing chemotherapy, those who have undergone organ transplants; those who are undergoing treatment with steroids; and 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 your health care providers. EPA/CDC guidelines on appropriate means to lessen the risk of infection by Cryptosporidium are available from the Safe Drinking Water Hotline (1-800-426-4791).

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. 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>.

The source drinking water used by Green Springs WSC is Ground Water

### Sources of Drinking 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 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 human activity.

- 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 naturally occur or be the result of oil and gas production and mining activities.

conditions. The info contained in the assessment allows us to focus source water protection strategies.

### PUBLIC PARTICIPATION OPPORTUNITIES

#### Board of Directors Meeting:

DATE: 1st Tuesday of Each Month  
TIME: 6:30 pm  
LOCATION: 6900 FM 2153  
PHONE: (940) 458-0116



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 (1-800-426-4791).

#### Secondary Constituents:

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.

### Water Quality Test Results

**Definitions:** 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 & determine (if possible) why total coliform bacteria have been found in our system.

**Level 2 Assessment:** A Level 2 assessment is a very detailed study of the water system to identify potential problems (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 MCLG 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 contamination.

**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 or parts per billion-or one once in 7,350,000 gallons of water.

**ppm:** milligrams per liter or parts per million-or one once in 7,350 gallons of water

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

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

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

## Information about Source Water

TCEQ completed an assessment of your source water, and results indicate that our sources have a low susceptibility to contaminants. The sampling requirements for your water system is based on this 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 **Green Springs WSC at 940-458-0116**

Source Water Name:		Type of Water		Report Status		Location		
Well 1 – 9189 FM 2164		GW		Active		Trinity Aquifer		
Well 2 – 10793 FM 2153		GW		Active		Trinity Aquifer		
Lead and Copper	Date Sampled	MCLG	Action Level (AL)	90th Percentile	# Sites Over AL	Units	Violation	Likely Source of Contamination
Copper	2023	1.3	1.3	0.0814	0	ppm	N	Erosion of natural deposits; Leaching from wood preservatives; Corrosion of household plumbing systems.
Lead	2023	0	15	1.51	0	ppb	N	Corrosion of household plumbing systems; Erosion of natural deposits.

## 2023 Water Quality Test Results

Inorganic Contaminants	Collection Date	Highest Level Detected	Range of Individual Samples	MCLG	MCL	Units	Violation	Likely Source of Contamination
Barium	11/15/2022	0.018	0015 – 1.018	2	2	ppm	N	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits.
Disinfection By-Product	Collection Date	Highest Level Detected	Range of Individual Samples	MCLG	MCL	Units	Violation	Likely Source of Contamination
Total Trihalomethanes (TTHM)	2023	13	13.1 – 13.1	No goal for the total	80	ppb	N	By-product of drinking water disinfection
Haloacetic Acids ( HAAS)	2022	2	1.5 – 1.5	No goal for the total	60	Ppm	N	By-product of drinking water disinfection

Chromium	07/25/2019	3	2.5 - 3	100	100	ppb	N	Discharge from steel and pulp mills; Erosion of natural deposits.
Cyanide	2021	24.3	24.3 - 24.3	200	200	ppb	N	Discharge from plastic and fertilizer factories; Discharge from steel/metal
Fluoride	2021	0.236	0.181 - 0.236	4	4.0	ppm	N	Erosion of natural deposits; Water additive which promotes strong teeth;
Nitrate [measured as Nitrogen]	2023	0.0147	0.0123 – 0.0147	10	10	ppm	N	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural

Radioactive Contaminants	Collection Date	Highest Level Detected	Range of Individual Samples	MCLG	MCL	Units	Violation	Likely Source of Contamination
Combined Radium 226/228	06/27/2018	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	2023	.69	.20 – 1.00	4	4	ppm	N	Water additive used to control microbes.

## Violations

Consumer Confidence Rule			
The Consumer Confidence Rule requires community water systems to prepare and provide to their customers annual consumer confidence reports on the quality of the water delivered by the systems.			
Violation Type	Violation Begin	Violation End	Violation Explanation

## Violations

CCR ADEQUACY/AVAILABILITY/CONTENT	07/01/2023	2023	We failed to provide to you, our drinking water customers, an annual report that adequately informed you about the quality of our drinking
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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
FOLLOW-UP OR ROUTINE TAP M/R (LCR)	10/01/2022	07/10/2023	We failed to test our drinking water for the contaminant and period indicated. Because of this failure, we cannot be sure of the quality of
LEAD CONSUMER NOTICE (LCR)	09/29/2023	2023	We failed to provide the results of lead tap water monitoring to the consumers at the location water was tested. These were supposed to

Public Notification Rule			
The Public Notification Rule helps to ensure that consumers will always know if there is a problem with their drinking water. These notices immediately alert consumers if there is a serious problem with their drinking water (e.g., a boil water emergency).			
Violation Type	Violation Begin	Violation End	Violation Explanation
PUBLIC NOTICE RULE LINKED TO VIOLATION	12/31/2023	2023	We failed to adequately notify you, our drinking water consumers, about a violation of the drinking water regulations.

## En Esponola

Este informe contiene informacion muy importante sobre el agua que usted bebe.  
Por favor hable a (940) 458-0116. Para Hablar con una persona bilingue es esponol.