

GREATER GARDENDALE WATER SUPPLY CORPORATION

2021 Annual Drinking Water Quality Report (Consumer Confidence Report - CCR)

Annual Water Quality Report for the period of January 1 to December 31, 2021
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.

PWS ID Number: TX0680214

Greater Gardendale WSC is Ground Water

For more information regarding this report contact:

Name Peggy Cox
Phone (432) 561-9255

Este reporte incluye informacion importante sobre el agua para tomar. Para asistencia en espanol, favor de llamar al telefono (432) 553-8385 - Sammy Berzoza

Water Hardness is 430 mg/L

OUR DRINKING WATER IS REGULATED

This report is a summary of the quality of water we provide our customers. The analysis was made by using the data from the most recent U.S. Environmental Protection Agency (EPA) required tests and is presented in the attached pages. We hope this information helps you become more knowledgeable about what's in your drinking water. 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.

Source 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 from human activity.

All Drinking Water May Contain Contaminants

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, 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.

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 from 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. We are 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 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 Peggy Cox at 432-561-9255.

SOURCE OF WATER

GREATER GARDENDALE WSC provides ground water from the Atlers Sand which is in the EDWARDS-TRINITY PLATEAU AQUIFER located in Midland County, Texas.

PUBLIC PARTICIPATION OPPORTUNITIES

Date: Any board meeting; usually scheduled on the third Tuesday of the month
Time: 6:00 PM
Location: GGWSC Office
6600 E. Goldenrod Dr.
Gardendale, TX 79758
Phone No: (432) 561-9255

To Learn about future public meeting (concerning your drinking water), or to request to schedule one, please call us.

Definitions and Abbreviations

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Action Level:

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

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
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
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.

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.

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 ounce in 7,350,000 gallons of water.

ppm:

Milligrams per liter 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 or TT:

A required process intended to reduce the level of a contaminant in drinking water.

2017 (or latest) Water Quality Test Results

Lead and Copper	Date Sampled	MCLG	Action Level (AL)	90th Percentile	# Sites Over AL	Units	Violaton	Likely Source of Contamination
Copper	2021	1.3	1.3	0.18	0	ppm	N	Erosion of natural deposits; Leaching from wood preservatives; Corrosion of household plumbing systems.
Lead	2017	0	15	1.5	0	ppb	N	Corrosion of household plumbing systems; Erosion of natural deposits.

2021 (or latest) Water Quality Test Results

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)	2021	6	1.1 - 6	No goal for 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)	2021	20	4.21 -20	No goal for total	80	ppb	N	By-product of drinking water distribution.

** The value in the Highest level or Average Dected column is the hightes average of all TTHM sample results collected at a location over a year

Inorganic Contaminants	Collection Date	Highest Level or Average Detected	Range of Individual Samples	MCLG	MCL	Units	Violation	Likely Source of Contamination
Arsenic	2019	6.5	6.5 - 6.5	0	10	ppb	N	Erosion of natural deposits; Runoff from orchards; Runoff from glass and electronics production wastes.
<p>While your drinking water meets EPA standards for arsenic, it does contain low levels of arsenic. EPA's standard balances the current understanding of arsenic's possible health effects against the costs of removing arsenic from drinking water. EPA continues to research the health effects of low levels of arsenic, which is a mineral known to cause cancer in humans at high concentrations and is linked to other health effects such as skin damage and circulatory problems.</p>								
Barium	2019	0.069	0.069 - 0.069	2	2	ppm	N	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits.
Chromium	2016	3.7	3.7 - 3.7	100	100	ppb	N	Discharge from steel and pulp mills; Erosion of natural deposits.
Fluoride	2019	1.33	1.33 - 1.33	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)	2021	3	3.17 - 3.39	10	10	ppm	N	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits.
<p>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.</p>								
Selenium	2016	6.1	6.1 - 6.1	50	50	ppb	N	Discharge from petroleum and metal refineries; Erosion of natural deposits; Discharge from mines.
Volatile Organic Contaminants	Collection Date	Highest Level or Average Detected	Range of Individual Samples	MCLG	MCL	Units	Violation	Likely Source of Contamination
Xylenes	2017	0.0007	0.0007 - 0.0007	10	10	ppm	N	Discharge from petroleum factories; Discharge from chemical factories.

Radioactive Contaminants	Collection Date	Highest Level or Average Detected	Range of Individual Samples	MCLG	MCL	Units	Violation	Likely Source of Contamination
Combined Radium 226/228	2016	1.65	1.65 - 1.65	0	5	pCi/L	N	Erosion of natural deposits.
Gross alpha excluding radon and uranium	2016	5	5 - 5	0	15	pCi/L	N	Erosion of natural deposits.
Uranium	2016	2.9	2.9 - 2.9	0	30	ug/l	N	Erosion of natural deposits.

Disinfectant Residual	Year	Average Level	Range of Levels Detected	MRDL	MRDLG	Unit of Measure	Violation (Y / N)	Source in Drinking Water
Chlorine	2021	0.944	0.21 - 1.83	4	4	ppm	N	Water additive used to control microbes.

PLEASE CONSERVE WATER!!! LOOK AT THE WATER GRAPH UNDER "CONSERVATION TIPS" ON OUR WEBSITE - WWW.GGWSC.COM