

This report is a summary of the quality of the 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.

Public Participation Opportunities

Monthly Board of Directors Meetings are held on the second Wednesday of each month. We are located at 6202 Sparta Rd. in Belton, TX and can be reached at (254) 933-2133.

Questions

For more information regarding this report please contact Erron Lowry (254) 933-2133.

En Español

Este reporte incluye informacion importante sobre el agua para tomar. Para asistencia en Español, favor de llamar al telefono (254) 933-2133.

439 Water Supply Corporation

6202 Sparta Road

Belton, TX 76513

<http://www.439watersupply.com>



439 Water Supply Corporation

PWS ID# TX0140076 and
TX0140016

2020 Annual Drinking Water Quality Report

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.

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.

Where Do We Get Our Drinking Water?

439 WSC PWS ID# TX0140076

TCEQ completed a Source Water Susceptibility for all drinking water systems that own their sources. This report describes the susceptibility and types of constituents that may come into contact with the drinking water source based on human activities and natural conditions. The system(s) from which we purchase our water received the assessment report. For more information on source water assessments and protection efforts at our system contact Erron Lowry at 254-933-2133.

BELL COUNTY WCID 1 (PWS ID# TX0140016)

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 system contact Ricky Garrett, P.E. General Manager at 254-501-9243

All Drinking Water May Contain Contaminants

When drinking water meets federal standards there may not be any health benefits to purchasing bottled water or point of use devices. 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).

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.

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.

Additional Health Information for Lead

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. This water supply is responsible for providing high quality drinking water, but 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>.

Definitions

The charts on the following pages may contain terms and abbreviations with which you are not familiar. 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.

Avg. – Regulatory compliance with some MCLs is 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 risk to health. MCLGs allow for a margin of safety.

Maximum Residual Disinfectant Level (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 (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.

NA – not applicable.

NTU – nephelometric turbidity units (a measure of turbidity).

Parts per billion (ppb) – micrograms per liter ($\mu\text{g}/\text{l}$) or one ounce in 7,350,000 gallons of water.

Parts per million (ppm) – milligrams per liter (mg/l) or one ounce in 7,350 gallons of water.

Picocuries per liter (pCi/L) – a measure of radioactivity.

2020 Test Results

We routinely monitor for constituents in your drinking water according to Federal and State laws. The test results table shows the results of our monitoring for the period of January 1st to December 31st, 2020.

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).

BELL COUNTY WCID 1 (TX0140016)

Lead and Copper							
Contaminant (Units)	Date Sampled	MCLG	AL	90th Percentile	# Sites Over AL	Violation	Likely Source of Contamination
Copper (ppm)	2020	1.3	1.3	0.26	0	No	Erosion of natural deposits; leaching from wood preservatives; corrosion of household plumbing systems
Lead (ppb)	2020	0	15	0	0	No	Corrosion of household plumbing systems; erosion of natural deposits

Disinfection By-Products							
Contaminant (Units)	Collection Date	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Violation	Likely Source of Contamination
Haloacetic Acids (HAA5) (ppb)	2020	14.1*	14.1 - 14.1	NA	60	No	By-product of drinking water disinfection
Total Trihalomethanes (TTHM) (ppb)	2020	34.5**	34.5 - 34.5	NA	80	No	By-product of drinking water disinfection
Chloramines (ppm)	2020	3.8	2.5 - 4.2	4	4	No	Water additive used to control microbes

* 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.

** 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							
Contaminant (Units)	Collection Date	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Violation	Likely Source of Contamination
Arsenic (ppb)	2020	2	2.1 - 2.4	0	10	No	Erosion of natural deposits; Runoff from orchards; Runoff from glass and electronics production wastes.
Barium (ppm)	2020	0.0649	0.0646 - 0.0649	2	2	No	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits.
Cyanide (ppb)	2020	110	0 - 110	200	200	No	Discharge from plastic and fertilizer factories; Discharge from steel/metal factories.
Fluoride (ppm)	2020	0.2	0.2 - 0.2	4	4.0	No	Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from fertilizer and aluminum factories.
Nitrate [measured as Nitrogen] (ppm)	2020	0.22	0.22 - 0.22	10	10	No	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits.
Selenium (ppb)	2020	3.4	0 - 3.4	50	50	No	Discharge from petroleum and metal refineries; Erosion of natural deposits; Discharge from mines.

Radioactive Contaminants							
Contaminant (Units)	Collection Date	Highest Single Sample	Range of Levels Detected	MCLG	MCL	Violation	Likely Source of Contamination
Beta/photon emitters (pCi/L)	04/28/2015	5.2	4.4 - 5.2	0	50	No	Decay of natural and man-made deposits

EPA considers 50 pCi/L to be the level of concern for beta particles.

439 Water Supply Corporation is an equal opportunity provider and employer.

If you wish to file a Civil Rights program complaint of discrimination, complete the USDA Program Discrimination Complaint Form (PDF), found online at http://www.ascr.usda.gov/complaint_filing_cust.html, or at any USDA office, or call (866) 632-9992 to request the form. You may also write a letter containing all of the information requested in the form. Send your completed complaint form or letter to us by mail at U.S. Department of Agriculture, Director, Office of Adjudication, 1400 Independence Avenue, S.W., Washington, D.C. 20250-9410, by fax (202) 690-7442 or email at program.intake@usda.gov.

Synthetic Organic Contaminants (including pesticides and herbicides)

Contaminant (Units)	Collection Date	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Violation	Likely Source of Contamination
2,4,5-TP (Silvex) (ppb)	2020	0.2	NA	50	50	No	Residue of banned herbicide
Atrazine (ppb)	2020	0.27	NA	3	3	No	Runoff from herbicide used on row crops

Turbidity

	Level Detected	Limit (Treatment Technique)	Violation	Likely Source of Contamination
Highest Single Measurement	0.3 NTU	1 NTU	No	Soil runoff
Lowest Monthly % Meeting Limit	100%	0.3 NTU	No	Soil runoff

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 system and disinfectants.

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.

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Lead and Copper

Contaminant (Units)	Date Sampled	MCLG	AL	90th Percentile	# Sites Over AL	Violation	Likely Source of Contamination
Copper (ppm)	2019	1.3	1.3	0.0833	0	No	Erosion of natural deposits; leaching from wood preservatives; corrosion of household plumbing systems

Disinfection By-Products

Contaminant (Units)	Collection Date	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Violation	Likely Source of Contamination
Haloacetic Acids (HAA5) (ppb)	2020	19*	3.4 - 16	NA	60	No	By-product of drinking water disinfection
Total Trihalomethanes (TTHM) (ppb)	2020	39**	21.2 - 35.6	NA	80	No	By-product of drinking water disinfection
Chloramines (ppm)	2020	2.45 (Average)	0.87 - 3.98	4	4	No	Water additive used to control microbes

* 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.

** 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

Contaminant (Units)	Collection Date	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Violation	Likely Source of Contamination
Nitrate (measured as Nitrogen) (ppm)	2020	0.26	0.23 - 0.26	10	10	No	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits

Coliform Bacteria

Total coliform bacteria are used as indicators of microbial contamination of drinking water because testing for them is easy. While not disease-causing organisms themselves, they are often found in association with other microbes that are capable of causing disease. Coliform bacteria are harder than many disease-causing organisms; therefore, their absence from water is a good indication that the water is microbiologically safe for human consumption.

Maximum Contaminant Level Goal	Total Coliform Maximum Contaminant Level	Highest No. of Positive	Fecal Coliform or E. Coli Maximum Contaminant Level	Total No. of Positive E. Coli or Fecal Coliform Samples	Violation	Likely Source of Contamination
0	1 Positive monthly sample.	1		0	No	Naturally present in the environment

VIOLATION

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
CCR REPORT	07/01/2020	10/27/2020	We failed to provide to you, our drinking water customers, an annual report that informs you about the quality of our drinking water and characterizes the risks from exposure to contaminants detected in our drinking water.