Brushy Creek
Municipal Utility District
16318 Great Oaks Drive
Round Rock, TX 78681

For more information regarding this report contact:
Customer Service at (512) 255-7871

BRUSHY CREEK MUNICIPAL UTILITY DISTRICT

2020 Consumer Confidence Report
Brushy Creek Municipal Utility District
January 2020 to December 2020

This annual Drinking Water Quality Report provides information on Brushy Creek Municipal Utility District's drinking water. The United States Environmental Protection Agency (EPA) requires that all drinking water suppliers in the country provide a water quality report to their customers on an annual basis.

Our Drinking Water Meets or Exceeds All Federal (EPA) Drinking Water Requirements

This report is intended to provide you with important information about your drinking water and the efforts made by the Brushy Creek Municipal Utility District (District) to provide safe drinking water. It is a summary of the quality of the water the District provides. The analysis was made by using the data from the most recent EPA required tests and is presented in the following pages. We hope this information helps you become more knowledgeable about what is in your drinking water.

The District provides safe and reliable drinking water to meet the needs of the residents it serves. It is of utmost importance to assure that water quality meets or exceeds all Safe Drinking Water Standards established by the U.S. Environmental Protection Agency (EPA) as well as regulations set by the State. The District utilizes a state-of-the-art microfiltration plant to accomplish this goal. The treatment process eliminates or reduces particulates, impurities and waterborne micro-organisms in the water supply.

Superior Public Water System

The District is proud to carry the designation of **Superior Water System.** This designation is determined by the Texas Commission on Environmental Quality after reviewing the District's water quality, water treatment, pumping, and storage capacity, and finding that Brushy Creek MUD has exceeded minimum requirements.

Public Hearing Notice

Date: July 8, 2021 Time: 6:00 p.m.

Location: Brushy Creek Community Center PH: (512) 255-7871
16318 Great Oaks Drive, Round Rock, Texas

Brushy Creek Municipal Utility District, 16318 Great Oaks Drive, RR, TX 78681 P.W.S. ID#2460061

SPECIAL NOTICES

Elderly, Infants, Cancer Patients, People with HIV/Aids or other Immune Problems

Some people may be more vulnerable to contaminants in drinking water than the general population. Immune 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/Centers for Disease Control and Prevention (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.

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 the water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the EPA Safe Drinking Water Hotline (800) 426-4791.

The Texas Commission on Environmental Quality (TCEQ) completed a source water assessment for our drinking water and results indicate that some sources are susceptible to certain contaminants. The sampling requirements for our water system are based on this susceptibility and previous sample data. Any detection of these contaminants will be found in this Consumer Confidence Report. To obtain more information on source water assessments and protection efforts in our system call Customer Service at 512-255-7871.

Ongoing Water Projects in the District

The District's continues its efforts to use the District's leak detection equipment and a meter program that includes annual calibration, meter checks and data logs to seek unaccounted for water. The District's unaccounted for water percentage as of December 2020 was less than 10%.

The Brushy Creek Life

The District maintains a Superior Water System designation by the Texas Commission on Environmental Quality. The District's water is treated at a state-of-the-art microfiltration water facility. District staff is committed to maintaining the quality of the drinking water and providing superior service to our customers. This includes regular flushing of water lines and testing of the water throughout the distribution system. The flushing process involves opening fire hydrants on dead end streets to ensure water contains an acceptable chlorine residual. Staff makes sure hydrant valves are operating properly, there are no leaks, and that water flow is sufficient. Find more information about hydrant flushing on the Utilities Page of the District's website at www.bcmud.org including why hydrants are painted certain colors.

About the Tables: The tables list all of the federally regulated or monitored constituents which have been found in your drinking water. The EPA requires water systems to test up to 97 constituents.
Secondary Constituents: Many constituents (such as calcium, sodium, or iron) which can be found in drinking water can cause taste, color and odor problems. These are called secondary constituents and are regulated by the State of Texas. These constituents are not causes for health concerns and therefore, are not required to be reported in this document but may affect the appearance and taste of your water.

DEFINITIONS:

Action Level: The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.
Action Level Goal: 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 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 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 maximum level of a contaminant in drinking water at which no known or anticipated adverse effect on the health of persons would occur, and which allows an adequate 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
Mrem -millirems per year
na – non applicable
NTU-nephelometric turbidity units
ppm – parts per million
ppb– parts per billion
ppt – parts per trillion
Treatment Technique – A required Process intended to reduce the level of a contaminant in drinking water

Este reporte incluye información importante sobre el agua para tomar. Para asistencia en español, favor de llamar al telefono (512) 255-7871.

Where Do We Get Our 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.

Answers to Questions about discolored water, aesthetics, hardness, lead, fluoride and many others can be found on our website at ww.bcmud.org

Brushy Creek MUD Consumer Confidence Report 2020

Inorganics

Year	Constituent	Detected Level	MCL	MCLG	Units	Violation
2020	Barium	0.042	2	2	mg/L	N
2020	Cyanide	0.08	0.2	0.2	mg/L	N
2020	Fluoride	0.66	4	4	mg/L	N
2020	Nitrate	0.18	10	10	mg/L	N

Lead and Copper

Year	Constituent	90th %	95th %	MCL	Units	Violation
2018	Lead	1.9	2.5	15	ppb	N
2018	Copper	0.11	0.48	1.3	mg/L	N

Maximum Residual Disinfectant Level (Entry Point)

Year	Disinfectant	Average	Low	Maximum	Max Allowed	Min Allowed	Units	Violation
2020	Chloramines	2.01	1.61	2.39	4	0.5	mg/L	N

Disinfection By-Products

Year	Constituent	High	Low	Average	MCL	MCLG	Units	Violation
2020	Haloacetic Acids	14	7.6	13.2	60	NA	ppb	N
2020	Trihalomethanes	42.6	32.2	39.1	80	NA	ppb	N

Unregulated Contaminants (Entry Point)

Year	Constituent	Average	Range	Units	MCLG	Violation
2020	Dibromochloromethane	13.2	11.3 - 16.3	ppb	NA	N
2020	Chloroform	5.5	3.6 -6.4	ppb	NA	N
2020	Bromoform	8	6.0 - 10.8	ppb	NA	N
2020	Bromodichloromethane	9.2	8.0 - 10.3	ppb	NA	N

Turbidity (Entry Point)

Year	Constituent	High	Low	Average	MCL	MCLG	Units	Violation
2020	Turbidity	0.13	0.01	0.02	0.3	NA	NTU	N

Coliform

Year	Constituent	Highest No. of Positive	MCL	Fecal/ E. Coli positive	MCL	Violation
2020	Total Coliform	0	1/month	0	0	N

Radioactive Contaminants

Year	Constituent	Highest Level Detected	Range	MCL	MCLG	Units	Violation
2018	Combined Radium 226/228	1.5	1.5-1.5	5	0	pCi/L	N

Secondary and Other Contaminants (No associated adverse health effects)

Year	Constituent	Detected Levels	Secondary Limit	Units	Violation
2020	Alk. Bicarbanate	210	NA	mg/L	N
2020	Calcium	47.7	NA	mg/L	N
2020	Chloride	37	300	mg/L	N
2020	Magnesium	17.2	NA	mg/L	N
2020	Manganese	<0.001	0.05	mg/L	N
2020	Nickel	0.0014	NA	mg/L	N
2020	Sodium	22.1	NA	mg/L	N
2020	Sulfate	22	300	mg/L	N
2020	Alkalinity (total)	175	NA	mg/L	N
2020	Hardness	190	NA	mg/L	N
2020	TDS	269	1000	mg/L	N
2020	pH	8	> 7.0	Units	N
2020	Conductivity	498	NA	UMH/CM	N