2021 Annual Drinking Water Quality Report

(Consumer Confidence Report)

Travis County M.U.D. #12

Phone No. (512) 246-1400

Special Notice for the ELDERLY, INFANTS, CANCER PATIENTS, people with HIV/AIDS or other immune problems:

Some people may be more vulnerable to contaminants in drinking water, such as Cryptosporidium, than the general population. Immuno-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. The 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 (1-800-426-4791).

Public Participation Opportunities

Please call (512)246-1400 to confirm the meeting date and time. The Board of Directors meets on the fourth Tuesday of each month at 12:00 noon at Armbrust & Brown, 100 Congress Ave., Ste. 1300, Austin, Texas, 78701.

The District's water system is operated by Crossroads Utility Services, LLC. If you have any questions concerning water quality or the source of your water, please call (512) 246-1400 or (512) 246-5905.

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

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.

WATER SOURCES: 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 before treatment include: microbes, inorganic contaminants, pesticides, herbicides, radioactive contaminants, and organic chemical contaminants.

En Español

Este informe incluye informacion importante sobre el agua potable. Si tiene preguntas o comentarios sobre este informe en español favor de llamar al tel. (512) 246-1400 para hablar con una persona bilingue en español.

Where do we get our drinking water?

Our drinking water is supplied to you through the distribution system as owned by Travis County M.U.D. #12 (the District). The District purchases water from the West Travis County Public Utility Agency, who obtains surface water from Lake Austin and Lake Travis. A Source Water Susceptibility Assessment for your drinking water source is currently being updated by the TCEQ. The report will describe the susceptibility and types of constituents that may come into contact with our drinking water source based on human activities and natural conditions. The information contained in the assessment will allow us and/or the system from which we receive water to focus on source water protection strategies. For more information on source water assessments and protection efforts at our system, please contact us.

ALL drinking water may contain contaminants.

When drinking water meets federal standards there may not be any health based 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).

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 concerns. Therefore, secondary's are not required to be reported in this document but they may greatly affect the appearance and taste of your water.

About the Following Pages

The pages that follow list all of the federally regulated or monitored contaminants which have been found in your drinking water. The U.S. EPA requires water systems to test for up to 97 contaminants.

DEFINITIONS

Maximum Contaminant Level (MCL)

The highest permissible level of a contaminant 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 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.

Treatment Technique (TT)

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

Action Level (AL)

The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.

ABBREVIATIONS

NTU – Nephelometric Turbidity Units
MFL – million fibers per liter (a measure of asbestos)
pCi/L – picocuries per liter (a measure of radioactivity)
ppm – parts per million, or milligrams per liter (mg/L)
ppb – parts per billion, or micrograms per liter (µg/L)
ppt – parts per trillion, or nanograms per liter
ppq – parts per quadrillion, or picograms per liter

Inorganic Contaminants

Year	Contaminant	Average Level	Minimum Level	Maximum Level	MCL	MCLG	Source of Contaminant
2016	Asbestos (MFL) (WTCPUA)	0.197	0.197	0.197	7	7	Decay of asbestos cement in water mains; erosion of natural deposits.
2021	Barium (ppm) (WTCPUA)	0.064	0.064	0.064	2	2	Discharge of drilling wastes; discharge from metal refineries: erosion of natural deposits.
2021	Cyanide (ppb) (WTCPUA)	0.11	0.11	0.11	200	200	Discharge from steel/metal factories; discharge from plastic and fertilizer factories.
2021	Fluoride (ppm) (WTCPUA)	0.23	0.23	0.23	4	4	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories.
2020	Nickel (ppm) (WTCPUA)	0.0012	0.0012	0.0012	0.1	0.1	Abundant naturally occurring element.
2021	Nitrate* (ppm)	0.16	0.07	0.25	10	10	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits.

*****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. If you are caring for an infant you should ask advice from your health care provider

Organic Contaminants WAIVED, NOT REPORTED OR NONE DETECTED.

Volatile Organic Contaminants NOT YET SAMPLED

Maximum Residual Disinfectant Level

Year	Disinfectant	Average Level	Minimum Level	Maximum Level	MRDL	MRDLG	Source of Disinfectant
2021	Chloramines (ppm)	2.70	1.2	4.5	4.0	<4.0	Disinfectant used to control microbes

Disinfection Byproducts

Year	Contaminant	LR Annual Average	Minimum Level	Maximum Level	MCL	Unit of Measure	Source of Contaminant
2021	Total Haloacetic Acids (WTCPUA)	11.75	9.8	13.8	60	ppb	Byproduct of drinking water disinfection.
2021	Total Trihalomethanes (WTCPUA)	36.22	31.7	43.3	80	ppb	Byproduct of drinking water disinfection.

Unregulated Initial Distribution System Evaluation for Disinfection Byproducts WAIVED OR NOT YET SAMPLED

Unregulated Contaminants

Bromoform, chloroform, bromodichloromethane, and dibromochloromethane are disinfection byproducts. There is no maximum contaminant level for these chemicals at the entry point to distribution.

Year	Contaminant	Average Level	Minimum Level	Maximum Level	Unit of Measure	Source of Contaminant
2021	Chloroform	6.55	4.5	10.1	ppb	Byproduct of drinking water disinfection.
2021	Bromoform	4.1	3.8	4.8	ppb	Byproduct of drinking water disinfection.
2021	Bromodichloromethane	12.02	10	15.2	ppb	Byproduct of drinking water disinfection.
2021	Dibromochloromethane	13.55	13.2	14.2	ppb	Byproduct of drinking water disinfection.

Lead and Copper

Year	Contaminant	The 90th Percentile	Number of Sites Exceeding Action Level	Action Level	Unit of Measure	Source of Contaminant
2020	Lead	0.0024	0	15	ppm	Corrosion of household plumbing systems; erosion of natural deposits.
2020	Copper	0.116	0	1.3	ppm	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives.

Required 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 material used 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."

Turbidity

Turbidity has no health effects. However, turbidity can interfere with disinfection and provide a medium for microbial growth. Turbidity may indicate the presence of disease-causing organisms. These organisms include bacteria, viruses, and parasites that can cause symptoms such as nausea, cramps, diarrhea and associated headaches.

Year	Contaminant	Highest Single Measurement	Lowest Monthly % of Samples Meeting Limits	Turbidity Limits	Source of Contaminant
2021	Turbidity (NTU) (WTCPUA)	0.55	99 %	0.3	Soil runoff.

2021 **Total Coliform** REPORTED MONTHLY TESTS FOUND NO TOTAL COLIFORM BACTERIA
2021 **Fecal Coliform** REPORTED MONTHLY TESTS FOUND NO FECAL COLIFORM BACTERIA

Secondary and Other Constituents (No associated adverse health effects)

Year	Contaminant	Average Level	Minimum Level	Maximum Level	Limit	Source of Contaminant
2020	Aluminum (ppm) (WTCPUA)	0.043	0.043	0.043	0.2	Abundant naturally occurring element.
2020	Bicarbonate (ppm) (WTCPUA)	183	183	183	NA	Corrosion of carbonate rocks such as limestone.
2020	Calcium (ppm) (WTCPUA)	39.9	39.9	39.9	NA	Abundant naturally occurring element.
2020	Chloride (ppm) (WTCPUA)	37	37	37	300	Abundant naturally occurring element; used in water purification; byproduct of oil field activity.
2020	Manganese (ppm) (WTCPUA)	0.0011	0.0011	0.0011	0.05	Abundant naturally occurring element.
2020	Magnesium (ppm) (WTCPUA)	19.7	19.7	19.7	NA	Abundant naturally occurring element.
2015	pH (units) (WTCPUA)	7.4	7.2	7.5	7	Measure of corrosivity of water.
2020	Sodium (ppm) (WTCPUA)	21	21	21	NA	Erosion of natural deposits; byproduct of oil field activity.
2020	Sulfate (ppm) (WTCPUA)	25	25	25	300	Naturally occurring; common industrial byproduct; byproduct of oil field activity.
2020	Total Alkalinity as CaCO3 (ppm)	159.84	150	165	NA	Naturally occurring soluble mineral salts.
2020	Total Dissolved Solids (ppm)	284	284	284	1000	Total dissolved mineral constituents in water.
2020	Total Hardness as CaCO3 (ppm) (WTCPUA)	181	181	181	NA	Naturally occurring calcium.
2020	Zinc (ppm)	<0.005	<0.005	<0.005	5	Moderately abundant naturally occurring element; used in the metal industry.