

2021 Annual Drinking Water Quality Report

(Consumer Confidence Report)

CLEAR BROOK CITY MUD
Public Water System ID #1010418
Phone Number: 281-484-2893

SPECIAL NOTICE

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; those 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 provider. Additional guidelines on appropriate means to lessen the risk of infection by *Cryptosporidium* are available from the Safe Drinking Water Hotline at (800) 426-4791.

En Español

Este reporte incluye información importante sobre el agua para tomar. Para asistencia en español, favor de llamar al telefono 281-484-2893 (telephone number for assistance in Spanish).

Public Participation Opportunities

Date: Tuesday, August 2

Time: 7 p.m.

Location: 11911 Blackhawk

Phone Number: 281-484-1562

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

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 water system to provide safe drinking water. 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.

Source of Drinking Water

The sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs and wells. Clear Brook City purchased surface water from the City of Houston with ground water influence. The primary sources of this water are the Trinity River and Evangeline Aquifer. 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.

The 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 are based on this susceptibility and previous sample data. Any detections of these contaminants may be found in this Consumer Confidence Report. For more information on source water assessments and protection efforts at our system, contact: Dean Baier @ 281-484-1562.

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 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.

In order to ensure that tap water is safe to drink, the EPA prescribes regulations that limit the amount of certain contaminants in water provided by public water systems. Food and Drug Administration regulations establish limits for contaminants in bottled water that must provide the same protection for public health.

Water Quality Test Results

Definitions

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

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 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.

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 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.

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.

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

ABBREVIATIONS

MFL: million fibers per liter (a measure of asbestos)

na: not applicable

mrem: millirems per year (a measure of radiation absorbed by the body)

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

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

ppm: milligrams per liter or parts per million

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

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

Avg: Regulatory compliance with some MCLs are based on running annual average of monthly samples.

Coliform Bacteria

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	0	0		0	N	Naturally present in the environment.

Fecal Coliform *REPORTED MONTHLY TESTS FOUND NO FECAL COLIFORM BACTERIA*

Lead and Copper

Definitions:

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.

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

Lead and Copper	Date Sampled	MCLG	Action Level (AL)	90th Percentile	# Sites Over AL	Units	Violation	Likely Source of Contamination
Copper	2021	1.3	1.3	1.3181	3	ppm	N	Erosion of natural deposits; Leaching from wood preservatives; Corrosion of household plumbing systems.
Lead	2021	0	15	4.7	1	ppb	N	Corrosion of household plumbing systems; Erosion of natural deposits.

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.

CLEAR BROOK CITY MUD 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>.

Maximum Residual Disinfectant Level

Systems must complete and submit disinfection data on the Disinfection Level Quarterly Operating Report (DLQOR). On the CCR report, the system must provide disinfectant type, minimum, maximum and average levels.

Disinfectant	Year	Average Level	Range of Level Detected	MRDL	MRDLG	Unit of Measure	Violation (Y/N)	Likely Source of Contamination
Disinfectant used Chloramine Residual	2021	Average level of CCR year's quarterly 2.99	0.6 - 4.0	4.0	<4.0	ppm	N	Water additive used to control microbes.

Contaminants

Units of Measure	Year	Highest Single Measurement	Lowest Monthly % of Sampling Meeting Limits	Turbidity Limits	Source of Contaminant
Turbidity (NTU)	2021	0.10	100	0.3	Soil Runoff

Regulated Contaminants

Disinfectants and Disinfection By-Products	Collection Date	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Units	Violation	Likely Source of Contamination
Haloacetic Acids (HAA5)*	2021	37	23.4 - 45.4	No goal for the total	60	ppb	N	By-product of drinking water disinfection.
Total Trihalomethanes (TTHM)	2021	43	25.3 - 60.6	No goal for the total	80	ppb	N	By-product of drinking water disinfection.

Inorganic Contaminants	Collection Date	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Units	Violation	Likely Source of Contamination
Cyanide	5/19/2020	160	160 - 160	200	200	ppb	N	Discharge from plastic and fertilizer factories; Discharge from steel/material factories.
Barium	5/19/2020	0.0496	0.0496 - 0.0496	2	2	ppm	N	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits.
Fluoride	5/19/2020	0.39	0.25 - 0.39	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	1	0.68 - 0.74	10	10	ppm	N	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits.

Radioactive Contaminants	Collection Date	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Units	Violation	Likely Source of Contamination
Combined Radium 226/228	01/22/2016	1.5	1.5 - 1.5	0	5	pCi/L	N	Erosion of natural deposits.

Synthetic organic contaminants including pesticides and herbicides	Collection Date	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Units	Violation	Likely Source of Contamination
Atrazine	2021	0.2	0.1 - 0.2	3	3	ppb	N	Runoff from herbicide used on row crops.
Simazine	2021	0.14	0. - 0.14	4	4	ppb	N	Herbicide runoff.

Volatile Organic Contaminants	Collection Date	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Units	Violation	Likely Source of Contamination
Xylenes	2020	0.0006	0 - 0.0006	10	10	ppm	N	Discharge from petroleum factories; Discharge from chemical factories.
Carbon Tetrachloride	2020	1	0 - 0.5	0	5	ppb	N	Discharge from chemical plants, and other industrial activities.

Unregulated Contaminants

Additional information concerning unregulated contaminants:

Unregulated contaminants are those for which the EPA has not established drinking water standards. The purpose of unregulated contaminant monitoring is to assist EPA in determining the occurrence of unregulated contaminants in drinking water and whether future regulation is warranted

Year	Contaminant (Unit of Measure)	Highest Level Detected	Lowest Level Detected	Range of detected levels
2020	Chloroform (ppb)	37.6	17.7	17.7 - 37.6
2020	Bromodichloromethane (ppb)	16.3	6.2	6.2 - 16.3
2020	Bromoform (ppb)	1.4	ND	ND - 1.4
2020	Dibromochloromethane (ppb)	5.3	1.1	1.1 - 5.3

Information about Source Water Assessments

A Source Water Susceptibility Assessment for your drinking water source(s) is currently being updated by the Texas Commission of Environmental Quality. This information describes the susceptibility and types of constituents that may come into contact with your drinking water source based on human activities and natural conditions. The information contained in the assessment allows us to focus source water protection strategies.

For more information about your sources of water, please refer to the Source Water Assessment Viewer available at the following URL: <http://gis3.tceq.state.tx.us/swav/Controller/index.jsp?wtrsrc=>

In the water loss audit to the Texas Water Development Board for the period Jan. - Dec. 2021, we submitted 8.2% water loss (51,512,513 gallons).

Further details about sources and source-water assessments are available in Drinking Water Watch at the following URL: <http://dww.tceq.texas.gov/DWW>

Violations:

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)	10/01/2020	08/10/2021	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 our drinking water during the period indicated.

LEAD & COPPER RULE MONITORING AND REPORTING VIOLATION MANDATORY LANGUAGE - TIER III

IMPORTANT INFORMATION ABOUT YOUR DRINKING WATER

Clear Brook City MUD (PWS ID#1010418) has violated the monitoring and reporting requirements set by Texas Commission on Environmental Quality (TCEQ) in Chapter 30, Section 290, Subchapter F. Even though these were not emergencies, as our customers, you have the right to know what happened and what we are doing (or did) to correct these situations.

We are required to monitor your drinking water for specific contaminants on a regular basis. Results of regular monitoring are an indicator of whether or not our drinking water meets health standards. During **2020**, we monitored for Lead/Copper but the sample site was written on the sample form incorrectly. It was corrected but not in the time required. TCEQ cannot be sure of the safety of your drinking water during that time.

The table below lists the violations we did not properly test for or reports we did not turn in or perform during the last year, the time period that these violations occurred,

Violation	Sampling frequency	Number of samples taken	When samples should have been taken	When samples were or will be taken
Lead and copper tap water sampling	Yearly	30	June-Sept 2020	7/27/2021

What is being done?

We corrected the clerical error on sample address. For more information, please contact Dean Baier at 281-484-1562.

This is mandated language, due to a clerical error made on a sample address, which was corrected and resubmitted. Future sample reports will be reviewed by additional personnel to ensure clerical errors are corrected prior to submission.

Please share this information with all other people who drink this water, especially those who may not have received this notice directly (i.e., people in apartments, nursing homes, schools, and businesses). You can do this by posting this notice in a public place or distributing copies by hand or mail.

This notice is being sent to you by Clear Brook City MUD. Public Water System Number: TX1010418__

Date Distributed: June 30, 2022

Clear Brook City Utility District
11911 Blackhawk Boulevard
Houston, Texas 77089

Prsrt Std
US Postage Paid
Permit #184
Webster, TX

Or Current Resident



*****ECRWSS**C 020 1 0/817/6

GODBEE, JOHN T SR
9931 SAGEMILL DR
HOUSTON TX 77089-5029

Numbers to call for your water & sewer service

Clear Brook City Customer Service Center

To set up water service, transfer
service or inquire about your water
bill, please call:

281-484-1562

Nighttime emergency number

281-484-2893

*For water leaks, sewer
stoppages & service*

Call

Clear Brook City M.U.D.

281-484-2893

**11911 Blackhawk Blvd.
Houston, TX 77089**