2023 Consumer Confidence Report for Public Water System ZEPHYR WSC

Brownwood in Brown Coun	Zephyr Wsc providing surfsace w
	æ water
	water from Lak
	_ake

For more information regarding this report contact:

Name_ Terry Edgar

Phone 325 739-5264

Este reporte incluye información importante sobre el agua para tomar. Para asistencia en español, favor de llamar al telefono (325) 739-5264.

Definitions and Abbreviations

Definitions and Abbreviations 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.

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

found in our water system. 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

Level 1 Assessment:

Avg

Action Level:

Level 2 Assessment:

Maximum Contaminant Level or MCL:

has occurred and/or why total coliform bacteria have been found in our water system on multiple occasions. 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

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

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: microbial contaminants. The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of

Maximum residual disinfectant level goal or disinfectants to control microbial contaminants 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

million fibers per liter (a measure of asbestos)

MFL

MRDLG:

mrem:

na:

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

nephelometric turbidity units (a measure of turbidity)

picocuries per liter (a measure of radioactivity)

pCi/L Z

Definitions and Abbreviations

ppb: micrograms per liter or parts per billion

ppm: milligrams per liter or parts per million

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

ppt

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

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

Information about your Drinking Water

resulting from the presence of animals or from human activity. 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 The sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs, and wells. As water travels over

by calling the EPAs Safe Drinking Water Hotline at (800) 426-4791. contaminants does not necessarily indicate that water poses a health risk. More information about contaminants and potential health effects can be obtained Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence

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
- wastewater discharges, oil and gas production, mining, or farming Inorganic contaminants, such as salts and metals, which can be naturally-occurring or result from urban storm water runoff, industrial or domestic
- Pesticides and herbicides, which may come from a variety of sources such as agriculture, urban storm water runoff, and residential uses
- production, and can also come from gas stations, urban storm water runoff, and septic systems Organic chemical contaminants, including synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum
- Radioactive contaminants, which can be naturally-occurring or be the result of oil and gas production and mining activities

systems. FDA regulations establish limits for contaminants in bottled water which must provide the same protection for public health. 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

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

are undergoing treatment with steroids; and people with HIV/AIDS or other immune system disorders, can be particularly at risk from infections. You should elderly, or immunocompromised persons such as those undergoing chemotherapy for cancer; persons who have undergone organ transplants; those who You may be more vulnerable than the general population to certain microbial contaminants, such as Cryptosporidium, in drinking water. Infants, some 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).

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 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 from materials and components associated with service lines and home plumbing. We are responsible for providing high quality drinking water, but we If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily the Safe Drinking Water Hotline or at http://www.epa.gov/safewater/lead. 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

Information about Source Water

ZEPHYR WSC purchases water from BROWN COUNTY WID 1. BROWN COUNTY WID 1 provides purchase surface water from Lake Brownwood in Brown county[

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 Terry Edgar at 325 739-5264.

Coliform Bacteria

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

Coliforms are bacteria that are naturally present in the environment are used as an indicator that other, potentially harmful, waterborne pathogens may be present or that a potential pathway exist through which contaminations may enter the drinking water distribution system, we found coliforms indicating the need to look for potential problems in water treatment or distribution. When this occurs, we are required to conduct assessment(s) to identify problems and to correct any problems that we found during these assessments.

Erosion of natural deposits.	Z	ppb	0	1.1	15	0	09/01/2020	Lead
Correction of household plumbing systems;								
plumbing systems.								
wood preservatives; Corrosion of household	7	ppiii	c	0.19	1.3	1.3	09/01/2020	Copper
Frosion of natural deposits; Leaching from	Z		>					
								,
Linely Course of Co	Violation	Units	# Sites Over AL	90th Percentile	Action Level (AL) 90th Percentile # Sites Over AL	MCLG	Date Sampled	Lead and Copper
Likely Source of Contamination								

04/03/2024

2023 Water Quality Test Results

				3					
By-product of drinking water disiniection.	z	ppb	60	No goal for the	14.6 - 24.6	21	2023	Haloacetic Acids (HAA5)	
Li infortion									
					Individual Samples	Detected			
Livery course of comme	VIOIALIOII	Units	MCL	MCLG	Range of	Highest Level	Collection Date	Disinfection By-Products	
Violation I italy Source of Contamination	Violetion								

^{*}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

(ТТНМ)	Total Trihalomethanes		
	2023		
	55		
	45.1 - 68.5		
[0]	total	Line of the	
	ç	Š	
	70	nnh	
	į	z	
		By-product of drinking water disinfection.	

^{*}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

Nitrogen]	Nitrate [measured as		(Inorganic Contaminants	
	2023			Collection Date	
	0.22		Detected	Highest Level	
	0.22 - 0.22		Individual Samples	Range of	
	10			MCLG	
	10			MCL	
	ppm			Units	:
	z			VIOIALIOII	Vialation
	tanks, sewage; Erosion of natural deposits.	a dilination loophing from sentic		VIOIATIOII LINEI CONTROL CONTR	1 it oly Source of Contamination

Disinfectant Residual

A blank disinfectant residual table has been added to the CCR template, you will need to add data to the fields. Your data can be taken off the Disinfectant Level Quarterly Operating Reports (DLQOR).

		•			0.56-4.9	3.13	1000	Chloramines(total)
Water additive used to control microsca-	ppm	ppm	4	4		2	2023	
in a second prior to be								
		The state of the s			Detected			
		Measure				Avelage Level	Teal	Disinfectant Residual
Violation (Y/N) Source III Dilliking water	Violation (Y/N)	Unit of	MRDLG	MRDL	Range of Levels	Avorago I evel	V	,
Common in Drinking Water								

Violations

- TX0250019_2023_2024-04-03_13-20-27.PDF

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-LIP OR BOLITINE TAP M/R (LCR)	10/01/2023	2023	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.

04/03/2024

2023 Consumer Confidence Report for Public Water System BROWN COUNTY WID 1

This is your water quality report for January 1 to December 31, 2023

reservoir, and/or river] located in [insert name of County or City].

Brown county BROWN COUNTY WID 1 provides surface water from [insert source name of aquifer,

> Name Cody Shannon For more information regarding this report contact:

Phone 325-646-9356

Este reporte incluye información importante sobre el agua para tomar. Para asistencia en español, favor de llamar al telefono (325)643 - 2609.

Definitions and Abbreviations

Action Level:

Definitions and Abbreviations 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.

Level 1 Assessment: Regulatory compliance with some MCLs are based on running annual average of monthly samples 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

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.

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million fibers per liter (a measure of asbestos)

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

nephelometric turbidity units (a measure of turbidity)

UTN na: mrem: MFL

pCi/L picocuries per liter (a measure of radioactivity)

V

Definitions and Abbreviations

ppb: ppm: ppt ppq Treatment Technique or TT: parts per trillion, or nanograms per liter (ng/L) parts per quadrillion, or picograms per liter (pg/L) milligrams per liter or parts per million micrograms per liter or parts per billion A required process intended to reduce the level of a contaminant in drinking water

Information about your Drinking Water

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 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

necessarily indicate that water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the EPAs Safe Drinking Water Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not Hotline at (800) 426-4791.

Contaminants that may be present in source water include:

from human activity.

- 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
- from gas stations, urban storm water runoff, and septic systems. Organic chemical contaminants, including synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum production, and can also come
- Radioactive contaminants, which can be naturally-occurring or be the result of oil and gas production and mining activities

regulations establish limits for contaminants in bottled water which must provide the same protection for public health. 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

information on taste, odor, or color of drinking water, please contact the system's business office. 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

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 immunocompromised persons such as those undergoing chemotherapy for cancer; persons who have undergone organ transplants; those who are undergoing treatment with 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 You may be more vulnerable than the general population to certain microbial contaminants, such as Cryptosporidium, in drinking water. Infants, some elderly, or Hotline (800-426-4791).

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. 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 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 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 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

Information about Source Water

water system contact][insert phone number]

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 [insert 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 [insert 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 [insert 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 [insert and previous sample data.]

2023 Water Quality Test Results

Haloacetic Acids (HAA5)	Disinfection By-Products
2023	Collection Date
18	Highest Level Detected
13.4 - 22.9	Range of Individual Samples
No goal for the total	MCLG
60	MCL
ppb	Units
z	Violation
By-product of drinking water disilifection.	Violation Likely Source of Contamination

^{*}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)		
	2023		
	51		
	42.9 - 59.5		
l- lto collected	total	No goal for the	
at a location over a	9	80	
Vear	•	dad	
		z	
		By-product of drinking water disinfection.	

^{*}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

0	Inorganic Contaminants		
	Collection Date		
Detected	Highest Level		
Samples	Range of Individual		
	MCLG		
	NICL		
	0	II nite	
		Violation	
		h Likely Source of Contamination	

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Barium	2023	0.125	0.125 - 0.125	200	200	ppm	zzz	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits. Discharge from plastic and fertilizer factories;
Cyanide	2023	60	0 - 60	200	200	ppb	z	Discharge from plastic and fertilizer factories; Discharge from steel/metal factories.
Fluoride	2023	0.2	0.22 - 0.22	4	4.0	ppm	z	Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from fertilizer and aluminum factories
Nitrate [measured as Nitrogen]	2023	0.23	0.23 - 0.23	10	10	ppm	z	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits.

Radioactive Contaminants	Collection Date	Highest Level Detected	Range of Individual Samples	MCLG	MCL	Units	Violation	Likely Source of Contamination
Beta/photon emitters	2023	8.2	8.2 - 8.2	0	50	pCi/L*	z	Decay of natural and man-made deposits.

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

Disinfectant Residual

A blank disinfectant residual table has been added to the CCR template, you will need to add data to the fields. Your data can be taken off the Disinfectant Level Quarterly Operating Reports (DLQOR).

Disinfectant Residual Year Average Level Range of Levels MRDL Detected Detected Average Level SMRDL Detected Detected Average Level Detected Detected Detected Average Level Detected Detected Average Level Detected Detected Detected Average Level SMRDL Detected Detected Detected Average Level SMRDL Detected Detect									
ual Year Average Level Range of Levels MRDL MRDLG Unit of Measure Violation (Y/N Detected	Water additive used to control microbes.	mdd		4	4			2023	
ual Year Average Level Range of Levels MRDL MRDLG Unit of Measure Violation (Y/N						Detected			
	Source in Drinking Water	Violation (Y/N)	Unit of Measure	MRDLG	MRDL	Range of Levels	Average Level	Year	Disinfectant Residual

Turbidity

	Level Detected	Limit (Treatment Technique)	Violation	Likely Source of Contamination
Highest single measurement	0.19 NTU	1 NTU	z	Soil runoff.
Lowest monthly % meeting limit	100%	0.3 NTU	z	Soil runoff.

Information Statement: 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.

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. **Total Organic Carbon**

07/09/2024