2022 Consumer Confidence Report for Public Water System CITY OF CROWELL

his is your water quality report for January 1 to December 31, 2022	r 31, 2022	For more information regarding this report contact:
TITY OF CROWELL provides surface water from [insert source name of aquifer,	rce name of aquifer,	Name City of Crowell
eservoir, ainz/or nveri] iocateu ii [Hisert indine of County or city].	or city).	Phone 940-684-1722
		Este reporte incluye información importante sobre el agua para tomar. Para asistencia en español, favor de llamar al telefono ()
Definitions and Abbreviations		
Definitions and Abbreviations	The following tables contain scientific terms and measures, some of which may	ures, some of which may require explanation.
Action Level:	The concentration of a contaminant which, if exceeded	The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.
Avg:	Regulatory compliance with some MCLs are based on running annual average of monthly samples	running annual average of monthly samples.
Level 1 Assessment:	A Level 1 assessment is a study of the water system to 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 found in our water system.
Level 2 Assessment:	A Level 2 assessment is a very detailed study of the water system to identify potential problem 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 £. 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 dr	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 level of a contaminant in drinking water below which there is no known or	ich there is no known or expected risk to health. MCLGs allow for a margin of safety.
Maximum residual disinfectant level or MRDL:	The highest level of a disinfectant allowed in drinking w 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 microbial contaminants.
Maximum residual disinfectant level goal or MRDLG:	The level of a drinking water disinfectant below which 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 disinfectants to control microbial contaminants.
MFL	million fibers per liter (a measure of asbestos)	
mrem:	millirems per year (a measure of radiation absorbed by the body)	y the body)
na:	not applicable.	
UTN	nephelometric turbidity units (a measure of turbidity)	
pCi/L	picocuries per liter (a measure of radioactivity)	

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Definitions and Abbreviations

micrograms per liter or parts per billion

milligrams per liter or parts per million

ppm:

ppb:

Вď

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

Treatment Technique or TT: 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

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 trom human activity. 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

Hotline at (800) 426-4791. 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

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
- 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 wastewater discharges, oil
- 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

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 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 Hotline (800-426-4791) You may be more vulnerable than the general population to certain microbial contaminants, such as Cryptosporidium, in drinking water. Infants, some elderly, or

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 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 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

CITY OF CROWELL purchases water from GREENBELT MIWA. GREENBELT MIWA provides purchase surface water from [insert source name of aquifer, reservoir, and/or river] located in [insert name of County or City]. Copper, Coliforms)]. [insert a table containing any contaminant that was detected in the provider's water for this calendar year, unless that contaminant has been separately monitored in your water system (i.e. TTHM, HAAS, Lead and

system contact [insert water system contact][insert phone number]. 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 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

Coliform Bacteria

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

Corrosion of household plumbing systems: Erosion of natural deposits.	Z	ppb	. حر	1.1	15	0	08/05/2020	Lead
Erosion of natural deposits; Leaching from wood preservatives; Corrosion of household plumbing	Z	ppm	0	0.15	1.3	1.3	08/05/2020	Copper
Likely Source of Contamination	Violation	Units	# Sites Over AL	90th Percentile	Action Level (AL)	MCLG	Date Sampled	Lead and Copper

2022 Water Quality Test Results

Disinfection By-Products	Collection Date	Highest Level Detected	Range of Individual Samples	MCIG	MCL	Units	Violation	Likely Source of Contamination
Haloacetic Acids (HAAS)	2022	40	7.7 - 110	No goal for the total	60	ppb	Z	By-product of drinking water disinfection.

^{*}The value in the Highest Level or Average Detected column is the highest average of all HAAS sample results collected at a location over a year

	Total
	I Trihalomethanes (TTHM)
	2022
	94
	48.4 - 214
total	No goal for the
	80
	ppb
<u> </u>	~
	By-product of drinking water disinfect

^{*}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
inants
Collection Date
Highest Level Detected
Range of Individual Samples
WCLG
MCL
Units
Violation
Likely 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).

Water additive used to control microbes.	ppm		4	4			2022	8
Violation (Y/N) Source in Drinking Water	Violation (Y/N)	Unit of Measur	MRDLG	MRDL	Range of Levels Detected	Average Level	Year	Disinfectant Residual

Violations

Disinfect Residual
Avg for 2022 - 1.52 mg/L
Range of level - Lowest - 0.13 mg/L
Highest - 8.80 mg/L
Units of measure - mg/L

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Violations

Total Trihalomethanes (TTHM)			
Some people who drink water containing trihalom	ethanes in excess of the	MCL over many years r	Some people who drink water containing trihalomethanes in excess of the MCL over many years may experience problems with their liver, kidneys, or central nervous systems, and may have an increased risk of getting cancer.
Violation Type	Violation Begin	Violation End	Violation Explanation
MCL, LRAA	10/01/2022	12/31/2022	Water samples showed that the amount of this contaminant in our drinking water was above its standard (called a maximum contaminant level and abbreviated MCL) for the period indicated.

2022 Consumer Confidence Report for Public Water System GREENBELT MIWA

This is your water quality report for January 1 to December 31, 2022		For more information regarding this report contact:
GREENBELT MIWA provides surface water and ground water from linsert source name of aquifer, reservoir, and/or river! located in linsert name of County or City!.	er from [insert source Name	Bobbie Kidd
	Phone _	806-874-3650
	Este repo llamar al	Este reporte incluye información importante sobre el agua para tomar. Para asistencia en español, favor de llamar al telefono ()
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Nitrate [measured as Nitrogen]	Fluoride	Barium	Arsenic
agen] 2022	2022	2022	2022
2	0.9	0.2	4
1.5 - 1.5	0.854 - 0.854	0.2 - 0.2	3.9 - 3.9
10	4	2	0
10	4.0	2	10
mdd	ppm	ppm	ppb
Z	Z	Z	Z
Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits.	Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from fertilizer and aluminum factories	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits.	Erosion of natural deposits; Runoff from orchards; Runoff from glass and electronics production wastes.

Beta/photon emitters 09/13/2021 7.6 7.6 7.6 0 50 pCi/L* N Decay of natural and man-made deposits.	Radioactive Contaminants	Collection Date	Highest Level Detected	Range of Individual Samples	MCLG	MCL	Units	Violation	Likely Source of Contamination
	Beta/photon emitters	09/13/2021	7.6	7.6-7.6	0	50		Z	Decay of natural and man-made deposits.

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

Uranium	Com
ข่นทา	Combined Radium 226/228
09/13/2021	09/13/2021
2.9	1.5
2.9 - 2.9	1.5 - 1.5
0	0
30	
ug/l	bCi/L
z	z
Erosion of natural deposits.	Erosion of natural deposits.

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) Source in Drinking Water	Violation (Y/N)	Unit of Measure	MRDLG		Range of Levels Detected	Average Level	Year	Disinfectant Residual

Turbidity

Turbidity

	Level Detected	Limit (Treatment	Violation	Likely Source of Contamination
Highest single measurement	0.37 NTU	1 NTU	Z	Soil runoff.
Lowest monthly % meeting limit	100%	0.3 NTU	Z	Soil runoff.

disinfectants. 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

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.

05/26/2023