# 2019 Consumer Confidence Report for Public Water System BANDERA COUNTY FWSD 1

This is your water quality report for January 1 to December 31, 2019

For more information regarding this report contact:

BANDERA COUNTY FWSD I provides ground water from the Trinity Aquifer located in Bandera County.

Name Daniel C. Smith, General Manager

Phone 210-612-0889 or 210-632 2358

Este reporte incluye información importante sobre el aguá para tomar. Para asistencia en español, favor de llamar al telefono 210-612-0889.

#### **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

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

. 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 water

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.

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 or MCL:

Level 2 Assessment:

Level 1 Assessment;

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: 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

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

million fibers per liter (a measure of asbestos)

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

not applicable.

nephelometric turbidity units (a measure of turbidity)

picocuries per liter (a measure of radioactivity)

PCIA

MFL mrem:

#### Definitions and Abbreviations

Treatment Technique or TT: ppq ppb: ppm: A required process intended to reduce the level of a contaminant in drinking water parts per quadrillion, or picograms per liter (pg/L) milligrams per liter or parts per million - or one ounce in 7,350 gallons of water, micrograms per liter or parts per billion - or one ounce in 7,350,000 gallons of water.

# Information about your Drinking Water

human activity. 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 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

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 Hotline at (800) 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

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
- 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 and
- 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

Confaminants 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.

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 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 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).

and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline or at http://www.epa.gov/safewater/lead. 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, 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 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 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

"ICEQ 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 water

Coppe	Conner	Lead and Copper	
08/01/2018	2000	Date Sampled	
1.3		MCLG	
13		Action Level (AL)	
0.09		90th Percentile #Sites Over AL	
0		#Sites Over AL	
ppm	N. Control of the con	Units	
z		Violation	
Erosion of natural deposits; Leaching from wood preservatives; Corrosion of household plumbing systems		Likely Source of Contamination	

## 2019 Water Quality Test Results

		over a vear	d at a location over	nple results collected	average of all HAA5 sai	column is the highest	or Average Detected	raine in the righest Level of Average Detected column is the highest average of all HAA5 sample results collected at a location of
							1	* The volue in the Uishart I
By-product of drinking water disinfection.	z	ppb	60	No goal for the total	8.2 - 15.5	12	2019	Haloncetic Acids (HAA5)
					-			
Likely Source of Contamination	Violation	Units	MCL	MCLG	Range of Individual Samples	Highest Level Detected	Collection Date	Disinfection By-Products

The value in the Highest Level	total Trihalomethanes TTHM)
or Average Detected	2019
column is the highest :	හි
st average of all TTHM san	54 - 70
ample results collecte	No goal for the total
ed at a location over	80
a year	qđď
	z
	By-product of drinking water disinfection.

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Inorganic Contaminants	Collection Date	Highest Level Detected	Range of Individual Samples	MCLG	MCL	Units	Violation	Likely Source of Contamination
Barium	03/19/2018	0.0302	0.0302 - 0.0302	22	ъ	tuđđ	z	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits.
Haoride	03/19/2018	1.13	1.13 - 1.13	4	4.0	ppm	z	Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from fertilizer and aluminum factories.
Nitrogen]	2019		1.42 - 1.42	10	01	udď	Z	Runoff from fertilizer use; Leaching from septic tanks, sewage; Etosion of natural deposits.
Kadioacuve Contaminants	Collection Date	Highest Level Detected	Range of Individual Samples	MCLG	MCL	Units	Violation	Likely Source of Contamination
Beta/photon emitters	03/19/2018	6.3	6.3 - 6.3	0	50	pCi/L*	z	Decay of natural and man-made deposits.
*EPA considers 50 pCl/L to be the level of concern for beta particles.	level of concern for l	eta particles						
	TO THE RESERVE AND THE	CAS CELECTOR.						

Xylenes	Contaminants	Walatila O	Combined Radium 226/228	
	i e		dium 226/228	
2019	Collection Date		03/19/2018	
0.0005	Highest Level Detected		1.5	
0.0005 - 0.0005	Range of Individual Samples		1.5 - 1.5	
10	MCLG		0	
10	MCL		5	
ppm	Units		pCi/L	
z	Violation		z	
Discharge from petroleum factories; Discharge from chemical factories.	Violation Likely Source of Contamination		Erosion of natural deposits.	

#### Disinfectant Residual

<sup>&#</sup>x27;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
Detected	Range of Levels
	MRDL
	MRDLG
Measure	Unit of
	Violation (Y/N)
A Control Control Control	Source in Drinking Water

Chlorine
2019
1.52
0.88-2.29
4
4
ppm
Water additive used to control microbes.