TO:	Citizens of San Augustine	June 1, 2021
SUBJECT:	Publication of Calendar Year 2020	Water Quality Report

Dear Citizens:

The Environmental Protection Agency (EPA) and the Texas Commission on Environmental Quality (TCEQ) require annual reports regarding the public water supply furnished by the City of San Augustine. I have attached the report and data sheet to this letter.

Our drinking water is regulated by the Texas Commission on Environment Quality (TCEQ) and they have determined that our water has had no issues' that prevents it from meeting or exceeding water quality standards and requirements as stated in the Federal Drinking Water Standards.

We are having an open meeting concerning our water quality report on MONDAY, July 5 2021

at 10:00 A.M. at City Hall, 301 South Harrison. Please come join us if you have questions.

Thank you for your interest.

Chris Anding Superintendant

ATTACHMENT a/s

2020 DRINKING WATER QUALITY REPORT CITY OF SAN AUGUSTINE AND RURAL WATER CUSTOMERS Phone No. 936-275-2121 CONSUMER CONFIDENCE REPORT 2020

OUR DRINKING WATER IS REGULATED

By the Texas Commission on Environmental Quality (TCEQ) and they have determined that certain water quality issues exist. The City of San Augustine has met all of the requirements as stated in the Federal Drinking water standards.

This report is a summary of the quality of the water we provide to 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.

En Espanol

Este informe incluye informacion importante sobre el aqua potable. Si tiene preguntas o comentarios sobre este informe en espanol, favor de llamar al tel. (936) 275-2121.

Our drinking water is obtained from SURFACE water sources. It comes from Lake / River / Reservoir / Aquifer: San Augustine City Lake.

WATER SOURCES: The sources of drinking water (both tap and bottled) include rivers, lakes, streams, ponds, reservoirs, springs, and wells. As water travels over the surface of 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 includes: microbes, inorganic contaminants, pesticides, herbicides, radioactive contaminants, and organic chemical contaminants.

SPECIAL NOTICE for ELDERLY, INFANTS, CANCER PATIENTS, people with HIV / AIDS or other immune problems:

Some people may be more vulnerable to contaminants in drinking water 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 providers. 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 (800-426-4791).

ALL drinking water may contain contaminates:

When drinking water meets federal standards there may not be any health-based benefits to purchasing bottled water or point of service devices. Drinking water, including bottled water, may reasonably be expected to contain a least small amounts of some contaminates. 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 EPA Safe Drinking Water HOTLINE (800-426-4791).

Secondary Constituents

Many constituents (such as calcium, sodium, or iron) which are often found in drinking water, can cause taste, odor, and color problems. The taste and color constitutes are called secondary constituents and are regulated by State of Texas, not EPA. <u>These constituents are not causes for health concerns.</u> Therefore, secondaries are not required to be reported in this document but may greatly affect the appearance and taste of your water.

About The Following Pages

The pages attached and below listed definitions provide all of the federally regulated or minitored constituents which have been found in your drinking water. U.S. EPA requires water systems to test up to 97 contaminants. The tables below contain all of the chemical constituents, which have been found in your drinking water. The City of San Augustine tested our water quality over 2,400 times in calendar year 2020.

2030001

DEFINITIONS

Maximum Contaminant Level (MCL) – The highest level of 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 not 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 – Turbidity is the amount of particles in the water. Our source is from soil (Red Dirt) runoff into the City Lake.
MFL – million fibers per liter (a measure of asbestos)
pCi/l – pecocuries per liter (a measure of radioactivity)
ppm – parts per million, or milligrams per liter (mg/l)
ppb – parts per billion, or micrograms per liter (ug/l)
ppt – parts per trillion, or picograms per liter

Public Participation Opportunities:

DATE: July 5, 2021 **TIME:** 10:00 A.M.

LOCATION: City Hall Council Chambers

PHONE: 936-275-2121

Chris Anding Superintendant

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2030001

Turbidity						Page 3 of 4 2030001
microbial	growth. Turbidity n	nay indicate f	the presence	e of diseas	e-causing or	tion and provide a medium for ganisms. These organisms include ramps, diarrhea and associated
Year	Contaminant	Highest Single Measurement	Lowest Monthly % of Samples Meeting Limits	Turbidity	Unit of Limits	Source of Contaminant
2020	Turbidity	0.96	99.00%	0.3	NTU	Soil Runoff

Organic Contaminants

ninants Tested in 2020

Cryptosporidium Monitoring Information

"We monitored for Cryptosporidium. a microbial parasite that may be commonly found in surface water. Cryptosporidium may come from animal and human feces in the watershed. The result of our monitoring indicated that there may be Cryptosporidium in the raw water and/or treated finished water. Although treatment by filtration removes Cryptosporidium, it cannot guarantee 100 percent removal. The testing methods used cannot determine if the organisms are alive and capable of causing cryptosporidiosis. an abdominal infection with nausea, diarrhea and abdominal cramps that may occur after ingestion of contaminated water."

Total Coliform	NOT DETECTED			
Fecal Coliform	NOT DETECTED			

Disinfection Byproducts

Year	Contaminant	Average Level Measurement	Minimum Level	Maximum Level	MCL	Unit of Measure	Source of Contaminant
2020	Total Haloacetic Acids	31 83.5 55		55	60	ppb	Byproducts
							of Drinking Water
2020	Total Trihalomethanes	54.5	86	127	80	ppb	Disinfection

Unregulated Initial Distribution System Evaluation for Disinfection Byproducts

This evaluation is sampling required by EPA to determine the range of total trihalomethane and haloacetic acid in the system for nature regulations. The samples are not used for compliance, and may have been collected under non-standard conditions. EPA also requires the data to be reported here.

Year	Contaminant	Average Level Minimum Level Maximum Level Measurement			MCL	Unit of Measure	Source of Contaminant
2020	Total Haloacetic Acids	31	83.5	55	60	ppb	Byproducts
							of Drinking Water
2020	Total Trihalomethanes	54.5	86	127	80	ppb	Disinfection

Inorganic Contaminates

Year	Contaminant	Average Level Measurement	Minimum Level	Maximum Level	MCL	MCLG	Unit of Measure	Source of Contaminant
2020	Gross Alpha	1.2	1.2	1.2	1.5	0	pCi/L	Erosion of Natural Deposits
2020	Barium	0.018	0.018	0.018	2	2	2 ppm	discharge of drilling waste,
2020	Chromium	0.001	0.0 <mark>0</mark> 1	0.001	0.1	0.1	ppb	discharge from steel mills
	Nitrate (measured as Nitrogen)	0.01	0.01	0.01	10	10	ppm	runoff from fertilizer use.
2020	Floride	0.0358	0.0358	0.0358	4	4	ppm	Erosion of Natural Deposits; Runoff from fertilizer use.

Maximum Residual Disinfection Level

Systems must complete and submit disinfection data on the Surface Water Monthly Operating Report (SWMOR). On the CCR report, the system must provide disinfection type. Minimum, maximum, and average levels.

Year	Disinfectant Used	Average Level Quarterly Avg.	Minimum Level	Maximum Level	MRDL	MRDLG	Unit of Measure	Source of Contaminant
2020	Chlorine	1.52	1.03	1.89	4.0	<4.0	ppm	Chlorine Gas

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

Total C	Total Organic Carbon (TOC) Page 4 of 4										
Total Organic Carbon (TOC) no health effects. The disinfectant can combine with TOC to form disinfectant byproducts. Disinfection											
is necessary to ensure that water does not have unacceptable levels of pathogens. Byproducts of disinfection include											
Trihalomethanes (THM's) and Haloacetic Acids (HAA) which are reported elsewhere in this report.											
Year	Contar	minant		Minimum Level	Maximum Level		Sc	ource of Contaminant			
			Measurement			Measure					
				10.00	140.00			Lucelly Descent in Labo			
2020	Lake	Water	7.90	2.60	10.00	ppm	Nai	turally Present in Lake			
0000			0.00	4.50	2.40		Not	hurally Drosont in Lake			
2020	Drinking	yvater	2.26	1.50	3.10	ppm	INdi	turally Present in Lake			
2020	Remov	al Patio	1	1	1						
2020	We used alter	and the second se						and the second se			
-					an divided by t	he normant of TO	C required by	TCEO to be removed			
Removal	Ratio is the perc	cent of TUC ren	noved by the th	eatment proces	sss aivideu by t	ne percent or 10	C required by	TCEQ to be removed.			
Unregul	ated Contami	inants									
			promomethan	ne, and dibror	nochlorometh	ane are disinte	ctant byprodu	ucts. There is no maximum			
						entry point to					
<u> </u>				Average	Minimum	Maximum	Unit of				
Year	or Range	Contai	minant	Level	Level	Level	Measurement	Source of Contimant			
		[Byproduct of drinking water			
2020		Bromodichro	momethane	15.1	13.2	20.4	ppb	disinfection			
2020		Dibromoch	oromethane	3.24	2.39	4.72	ppb	Byproduct of drinking water disinfection			
		Dibromochi	oromethane					Byproduct of drinking water			
2020	Chloroform 58.9 36.3 95.9 ppb disinfection							disinfection			
2018 Wa	ter Loss										
			· · · · · · · · · · · · · · · · · · ·	1				1			
2020	Produce	d Water		Total Water	Loss Volume			Total Water Loss %			
2020	267.28	31,000		65.46	67,782			35.90%			
VIOLAT	IONS										
VIOLATIC	the party of the local data and the		Health Effects	3	Duration	Explan	States of the second	Steps to Correct			
CONTRACTOR OF A DESCRIPTION	JTION: MCL	Some people wh		(=)	1/1/2020	water samples s		We have increased sludge reduction at the plant and the organic loading			
	ON - TOTAL	trihalomethanes			to	the amount of th		from the raw water to help lower the			
TRIHALO	METHANES	MANY YEARS n			12/31/2020	in our drinking w above its MCL		TTHM numbers.			
[problems with th nervious system				for the period in					
		· · · · · · · · · ·	r. Proper notices				aloatou				
		or gotting our of			-						
Violations	3										
Public No	tice Rule							Steps to Correct			
Linked To	o Violation	Violation Begin	Violation End	Explanation				The City now has a web page			
	To Violation	1/4/2020	1/22/2021			ou,our drinking wa		,Customers can go to this page and view all public notices .			
	To Violation			about a vio	plation of the o	drinking water r	egulations.				
the second se	o Violation										
Linked To	o Violation										