# 2018 Consumer Confidence Report for Public Water System RIVER ACRES WSC

This is your water quality report for January 1 to December 31, 2018

RIVER ACRES WSC provides surface water and ground water from Nueces River Located In Robstown Texas.

For more information regarding this report contact:

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Este reporte incluye información importante sobre el agua para tomar. Para asistencia en español, favor de llamar al telefono (361)387-2614.

# **Definitions and Abbreviations**

MFL mrem. Maximum Contaminant Level Goal or MCLG: Maximum residual disinfectant level or MRDL: Maximum Contaminant Level or MCL: Level 2 Assessment Level 1 Assessment: Action Level Goal (ALG): Action Level Definitions and Abbreviations Maximum residual disinfectant level goal or million fibers per liter (a measure of asbestos) The level of a drinking water disinfectant below which there is no known or expected risk to health. MRDL.Gs do not reflect the benefits of the use of disinfectants to control 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 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 found in our water system. Regulatory compliance with some MCLs are based on running annual average of monthly samples. 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 The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow millirems per year (a measure of radiation absorbed by the body) microbial contaminants. 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 has occurred and/or why total coliform bacteria have been found in our water system on multiple occasions. The following tables contain scientific terms and measures, some of which may require explanation 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 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

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nephelometric turbidity units (a measure of turbidity)

picocuries per liter (a measure of radioactivity)

na:

pCi/L

# **Definitions and Abbreviations**

ppm: ppb: ppq ppt 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 - 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.

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

# Information about your Drinking Water

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. The sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs, and wells. As water travels over

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 EPAs Safe Drinking Water Hotline at (800) 426-4791. 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

concerns. For more 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

seek advice about drinking water from your physician or health care providers. Additional guidelines on appropriate means to lessen the risk of infection by 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 Cryptosporidium are available from the Safe Drinking Water 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

the Safe Drinking Water Hotline or at http://www.epa.gov/safewater/lead. cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the posterial for 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 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 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

RIVER ACRES WSC purchases water from NUECES COUNTY WCID 3. NUECES COUNTY WCID 3 provides purchase surface water from the Nueces River located in Robstown Texas. For more information regarding this report please contact Alex McCloskey @ (361) 387-2614.

may come into contact, with your drinking water source based on human activities and natural conditions. The information in this assessment allows us to focus our source water protection 'No Source Water Assessment for your drinking water source(s) has been conducted by the TCEQ for your water system. The report describes the susceptibility and the types of constituents that

Information from River Acres Water Supply Corp.:

### LEAD AND COPPER

	Lead	Copper	Lead and Copper
	08/10/2016	08/10/2016	Date Sampled
	0	1.3	MCLG
	15	ີ່ຜ	Action Level (AL)   90th Percentile   # Sites Over AL
5	1.5	0.21	90th Percentile
	20	20	#Sites Over AL
	ppb	ppm	Units
	Z	z	Violation
	Corrosion of household plumbing systems; Erosion of natural deposits.	Erosion of natural deposits; Leaching from wood preservatives; Corrosion of household plumbing systems.	Likely Source of Contamination

# 2018 Water Quality Test Results

For River Acres WSC

# Regulated Contaminants

2018 33 23.4 - 39.6 No goal for the 60 ppb N By-product of drinking water disinfection.		3				Appropriate professoral designation of designation of the contrast of the cont			
	Ming Wate	z	ppb	60	No goal for the total	23,4 - 39,6	ယ္ထ	2018	Haloacetic Acids (HAA5)
The state of the s				and the second s	and the second conference of the second confer	and the second control of the second control			

"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"

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	2018	
	92	
	22.6 - 103	
	No goal for the total	and an extensive enversaments in extensive property from the party and a second formal second for the second formal second for the second formal second form
	80	
	ppb	
	~	
	By-product of drinking water distribution.	

<sup>&</sup>quot;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	and the state of t	dans la proposition des constitues de la constitue de la const					
Inorganic Contaminants	Collection Date	Highest Level Detected	Range of Individual Samples	MCLG	MCL	Units	Violation	Violation Likely Source of Communication
							7	Direct from fartilizer use: I eaching from septic
Nitrate [measured as Nitrogen]	2018	0.27	0.27 - 0.27	10	ö	ppm	Z	tanks, sewage; Erosion of natural deposits.
				en de la companya de La companya de la co				
Nitrite [measured as	02/19/2015	0.02	0.02-0.02			mdd	z	tanks, sewage; Erosion of natural deposits.
Z C C C C C C C C C C C C C C C C C C C							nime dependent of the selection of the s	

# 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).'

	A STATE OF THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED IN COLUMN	to district contract from the contract of the	Contract of the contract of th		and continued the first character and produce the produce of the p		
nom Waller additive used to control iniciones.		4	4	1.90-2.30	2.22	2018	Chloramines Total
				en de la proposición de la companya de la companya La companya de la co			
				000000000000000000000000000000000000000			
	Measure			Dotootoa			40 5 775 5 475
	-	office and office, to 1878	1 05 1141	Kange of Levels	Average Level	Year	Dicinfectual Residual
Violation (VIN) Source in Diffiking water	C. C.	ミカフロ		1		I I	
100000		and the second s	Control and the second	and enterminable delantementalism of the second periods of the entertainment of the second of the second of the			

#### Violations

# Public Notification Rule

notices immediately alert consumers if there is a serious problem with their

d Violation Explanation	Violation End	Violation Begin	Violation Type
		enskamper ekstansen skirke kripper ekstansen sysker, krisksprejsming mysliges krisksamper krisksamfarer fra	drinking water (e.g., a boil water emergency).
Public Notification Rule helps to ensure that consumers will always know if there is a problem with their crinking water. These notices influences and consumers will always know if there is a problem with their crinking water.	ays know if there is	hat consumers will alw	The Public Notification Rule helps to ensure t

#### Violations

			VIOLATION
We failed to adequately notify you, our drinking water consumers, about a violation of the drinking water regulations.	08/17/2018	07/13/2018	PUBLIC NOTICE RULE LINKED TO

# Revised Total Coliform Rule (RTCR)

The Revised Total Coliform Rule (RTCR) seeks to prevent waterborne diseases caused by E. coli. E. coli are bacteria whose presence indicates that the water may be contaminated with human or animal wastes. Human pathogens in these wastes can cause short-term effects, such as diarrhea, cramps, nausea, headaches, or other symptoms. They may pose a greater health risk for infants, young children,

Violation Type	Violation Begin	Violation End	Violation Explanation
MONITORING, ROUTINE, MAJOR (RTCR)	02/01/2018	02/28/2018	We falled to test our drinking water for the contaminant and period indicated. Because of this failure, we cannot be
MONITORING, ROUTINE, MINOR (RTCR)	06/01/2018	06/30/2018	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.
MONITORING, ROUTINE, MINOR (RTCR)	07/01/2018	07/31/2018	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.

# Total Trihalomethanes (TTHM)

Some people who drink water containing trihatomethanes 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.	enediatrickienthijkyksitimopijskiskalisiisteleitiina kikanottu, moneton maasa maasa myössen maasa	eningen er entremente en menten en son kan bestelle en men en de	
Violation Type	Violation Begin	Violation End	Violation Explanation
		y de la company de la comp	
FAILURE SUBMIT OEL REPORT FOR	03/13/2018	05/01/2018	We failed to submit our operational evaluation level (OEL) report to our regulator. The report is needed to determine best treatment practices necessary to minimize possible future exceedences of TTHM.
MCL, LRAA	01/01/2018	03/31/2018	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.
MCL, LRAA	04/01/2018	06/30/2018	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.

ACA AMPROVACAR SERVICE NUMBER OF THE SERVE

"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 system contact] [insert phone number]"

Copper 08/01/2016 1.3 1.3 0.13 0 ppm N	Lead and Copper Date Sampled MCLG Action Level (AL) 90th Percentile # Sites Over AL Units Violation
0 ppm	
Erosion of natural deposits; Leaching from wood preservatives; Corrosion of household plumbing systems.	Likely Source of Contamination

### 2018 Water Quality Test Results FOR NCW # 3

				1 1	2 V V LA 11 3	column is the highest	or Average Detected	1* The value in the Highest I avail or Avance Detected column is the highest and the Highest I avail or the highest and the hi
By-product of drinking water disinfection.	Z	qdd	60	No goal for the total	18.9 - 49.9	38	2018	Haloacetic Acids (HAA5)
By-product of drinking water disinfection.	z	ppm	1	0.8	0.076 - 0.714	0.714	2018	Chlorite
Violation 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 or Average Detected column is the highest average of all HAAS sample results collected at a location over a year

O of property of the state of t	Total Trihalomethanes (TTHM)
	2018
	104
A ST. LUMBER 18 O	30.3 - 104
	No goal for the total
	80
•	ppb
	Y
	By-product of drinking water disinfection.

<sup>&</sup>quot;\* 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"

The state of the s	The state of the s							
Erosion of natural deposits; Runoff from orchards; Runoff from glass and electronics production wastes.	Z	þþb	10	0	4.2 - 7	7	2018	Arsenic
Likely Source of Contamination	Violation	Units	MCL	MCLG	Range of Individual Samples	Highest Level Detected	Collection Date	Inorganic Contaminants

While your drinking water meets EPA standards for arsenic, it does contain low levels of arsenic. EPAs standard balances the current understanding of arsenics possible health effects against the costs of removing arsenic from drinking water. EPA continues to research the health effects of low levels of arsenic, which is a mineral known to cause cancer in humans at high concentrations and is linked to other health effects such as skin damage and

								refineries; Erosion of natural deposits.
		2						_
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Fluoride	2010	0.0	0.07 = 0.07	4	4.0	midd	7	Diosion of name are bosts, water additive wines
								promotes strong teeth: Discharge from fertilizer and
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	-				30			aluminum factories
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The second secon		- Committee of the comm	STATE OF THE PARTY					

Nitrate [measured as Nitrogen]       2018       0.26       0.26 - 0.26       10       10       ppm       N       Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits.         Nitrite [measured as Nitrogen]       08/06/2013       0.02       0.02 - 0.02       1       1       ppm       N       Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits.         Selenium       2018       10       9.7 - 9.7       50       ppb       N       Discharge from petroleum and metal refineries; Erosion of natural deposits; Discharge from mines.									aluminum factories.
0.02 0.02-0.02 1 1 ppm N 10 9.7-9.7 50 50 ppb N	Nitrate [measured as Nitrogen]	2018	0.26	0.26 - 0.26	10	10	ppm	z	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits.
2018 10 9.7-9.7 50 50 ppb N	Nitrite [measured as Nitrogen]	08/06/2013	0.02	0.02 - 0.02	<b></b> -	Н	ppm	Z	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits.
	Selenium	2018	10	9.7-9.7	50	50	ppb	z	Discharge from petroleum and metal refineries; Erosion of natural deposits; Discharge from mines.

Radioactive Contaminants	Collection Date	Highest Level Detected	Range of Individual Samples	MCLG	MCL	Units	Violation	Violation Likely Source of Contamination
Beta/photon emitters	03/21/2017	12.3	12.3 - 12.3	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.	he level of concern for	beta particles.						
Tiranium	03/21/2017	2.9	2.9 - 2.9	0	30	ng/l	Z	Erosion of natural deposits.

### Disinfectant Residual

		1						
Water additive used to control microbes.	ppm	ppm	4	4	1.4-4.2	2.94	2018	Chloramine
		Measure			Detected			
Violation (Y/N) Source in Drinking Water	Violation (Y/N)	Unit of	MRDLG	MRDL	Range of Levels	Average Level	Year	Dicinfectant Residual
			and the state of t	And the second s	And the second s			

#### Turbidity

	Level Detected	Limit (Treatment	Violation	Likely Source of Contamination
		Technique)		
Highest single measurement	0.34 NTU	I 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.

# **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.

The Long Term Enhanced Surface Water Treatment Rule supplements existing regulations by targeting additional Cryptosporidium treatment to higher risk systems. It also contains provisions to reduce risks from uncovered finished water reservoirs and to ensure that systems maintain microbial protection when reducing the formation of disinfection byproducts.

Violation Type

Violation Begin

Violation Explanation

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. The plant was late running an integrity test within a seven day period.	08/31/2018	08/01/2018	MONITORING, RT MAJOR (LT2-FILTERED)
A Indiaman Trum Landau and Landau Andrews	Aloration when	Violation Begin	Violation Type

# Total Trihalomethanes (TTHM)

			the state of contract of contr
Some people who drink water containing trihalome	thanes in excess of the M	ICL over many years m	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 nave an increased list of grant years may experience problems with their liver, kidneys, or central nervous systems, and may nave an increased list of grant years.
Violation Type: exceeded TTHM MCL limit	Violation Begin	Violation End	Violation Explanation
		and amount of the contract of	
7,44,40	01/01/2018	03/31/2018	Water samples showed that the amount of this contaminant in our drinking water was above its standard (called a maximum
MCL, LRAA	01/01/2018	03/31/2018	water samples showed that the allowit of this contaminant in our unincing water samples showed that the allowit of this contaminant level and abbreviated MCL) for the period indicated.
MCI IRAA	04/01/2018	06/30/2018	Water samples showed that the amount of this contaminant in our drinking water was above its standard (called a maximum
MICE, LINE I			contaminant level and abbreviated MCL) for the period indicated.