2021 Consumer Confidence Report for Public Water System CITY OF GOODRICH

This is your water quality report for January 1 to December 31, 2021

CITY OF GOODRICH provides ground water from **[insert source name of aquifer, reservoir, and/or river]** located in **[insert name of County or City]**.

For more information regarding this report contact:

Name _City of Goodrich_____

Phone __(936) 365-2228_____

Este reporte incluye información importante sobre el agua para tomar. Para asistencia en español, favor de llamar al telefon_(936) 365-2228_

Definitions and Abbreviations

Definitions and Abbreviations	The following tables contain scientific terms and measures, some of which may require explanation.
Action Level:	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.
Level 1 Assessment:	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 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.
Maximum Contaminant Level or MCL:	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 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 contaminants.
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 control microbial contaminants.
MFL	million fibers per liter (a measure of asbestos)
mrem:	millirems per year (a measure of radiation absorbed by the body)
na:	not applicable.
NTU	nephelometric turbidity units (a measure of turbidity)
pCi/L	picocuries per liter (a measure of radioactivity)

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	parts per trillion, or nanograms per liter (ng/L)
Treatment Technique or TT:	A required process intended to reduce the level of a contaminant in drinking water.

Information about your Drinking Water

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 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.

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 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.

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.

- 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.

- Organic chemical contaminants, including synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum production, and can also come from gas stations, urban storm water runoff, and septic systems.

- Radioactive contaminants, which can be naturally-occurring or be the result of oil and gas production and mining activities.

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

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.

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 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 Hotline (800-426-4791).

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

Information about Source Water

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 water system contact][insert phone number]**

Coliform Bacteria

Maximum Contaminant Level Goal	Total Coliform Maximum Contaminant Level	Highest No. of Positive	Fecal Coliform or E. Coli Maximum Contaminant Level	Total No. of Positive E. Coli or Fecal Coliform Samples	Violation	Likely Source of Contamination
0	1 positive monthly sample.	2		0	N	Naturally present in the environment.

Lead and Copper	Date Sampled	MCLG	Action Level (AL)	90th Percentile	# Sites Over AL	Units	Violation	Likely Source of Contamination
Copper	2021	1.3	1.3	0.0254	0	ppm	N	Erosion of natural deposits; Leaching from wood preservatives; Corrosion of household plumbing systems
Lead	2021	0	15	12	1	ppb	N	Corrosion of household plumbing systems; Erosion of natural deposits.

2021 Water Quality Test Results

Inorganic Contaminants	Collection Date	Highest Level Detected	Range of Individual Samples	MCLG	MCL	Units	Violation	Likely Source of Contamination
Arsenic	08/05/2019	4.5	4.5 - 4.5	0	10	ppb	N	Erosion of natural deposits; Runoff from orchards; Runoff from glass and electronics production wastes.
Barium	08/05/2019	0.225	0.225 - 0.225	2	2	ppm	N	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits.
Fluoride	2021	0.15	0.15 - 0.15	4	4.0	ppm	N	Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from fertilizer and aluminum factories.

Radioactive Contaminants	Collection Date	Highest Level Detected	Range of Individual Samples	MCLG	MCL	Units	Violation	Likely Source of Contamination
Beta/photon emitters	09/14/2018	6.7	6.7 - 6.7	0	50	pCi/L*	N	Decay of natural and man-made deposits.

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

Combined Radium 226/228	09/14/2018	3.6	3.6 - 3.6	0	5	pCi/L	N	Erosion of natural deposits.
Gross alpha excluding radon and uranium	09/14/2018	3	3 - 3	0	15	pCi/L	N	Erosion of natural deposits.
Uranium	09/14/2018	1.2	1.2 - 1.2	0	30	ug/l	N	Erosion of natural deposits.

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 Detected	MRDL	MRDLG	Unit of Measure	Violation (Y/N)	Source in Drinking Water
	2021	1.17	0.87-1.60	4	4	ppm	ppm	Water additive used to control microbes.

Violations

Chlorine

Some people who use water containing chlorine well in excess of the MRDL could experience irritating effects to their eyes and nose. Some people who drink water containing chlorine well in excess of the MRDL could experience stomach discomfort.

Violation Type	Violation Begin	Violation End	Violation Explanation
Disinfectant Level Quarterly Operating Report (DLQOR).	01/01/2021	03/31/2021	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.
Disinfectant Level Quarterly Operating Report (DLQOR).	10/01/2021	12/31/2021	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.

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
LEAD CONSUMER NOTICE (LCR)	12/30/2018	03/30/2021	We failed to provide the results of lead tap water monitoring to the consumers at the location water was tested. These were supposed to be provided no later than 30 days after learning the results.
LEAD CONSUMER NOTICE (LCR)	12/30/2021	01/18/2022	We failed to provide the results of lead tap water monitoring to the consumers at the location water was tested. These were supposed to be provided no later than 30 days after learning the results.

Public Notification Rule

The Public Notification Rule helps to ensure that consumers will always know if there is a problem with their drinking water. These notices immediately alert consumers if there is a serious problem with their drinking water (e.g., a boil water emergency).

Violation Type	Violation Begin	Violation End	Violation Explanation
PUBLIC NOTICE RULE LINKED TO VIOLATION	09/01/2019	03/29/2021	We failed to adequately notify you, our drinking water consumers, about a violation of the drinking water regulations.
PUBLIC NOTICE RULE LINKED TO VIOLATION	03/01/2020	03/30/2021	We failed to adequately notify you, our drinking water consumers, about a violation of the drinking water regulations.

PWS_ 1870005 _MR_ _DLQOR

Disinfectant Level Quarterly Operating Report (DLQOR)

For All Groundwater or Purchased-Water Public Water Systems

Select Quarter:	Choose Quarter 1ST Quarter	Year:	2021
PWS Name:	City of Goodrich	PWS ID:	1870005
Type of Disinfectant Used in Distribution System:		Chlorine (Free)	

First Month of Quarter: Monthly Summary

Month: January — Was the PWS active this month? (●) Yes ( ) No

Average of all disinfectant residuals:	Number of residuals collected:	Number of residuals below minimum:	Number of NO residuals:
1.59 mg/L	5 Count	0 Readings 0.0 %	0 Readings 0.0 %

Second Month of Quarter: Monthly Summary

Month: February — Was the PWS active this month? (●) Yes ( ) No

Average of all disinfectant residuals:	Number of residuals collected:	Number of residuals below minimum:	Number of NO residuals:
1.43 mg/L	5 Count	0 Readings 0.0 %	0 Readings 0.0 %

Third Month of Quarter: Monthly Summary

Month: March — Was the PWS active this month? (●) Yes ( ) No

Average of all disinfectant residuals:	Number of residuals collected:	Number of residuals below minimum:	Number of NO residuals:
1.30 mg/L	5 Count	0 Readings 0.0 %	0 Readings 0.0 %

Quarterly Summary and Certification

Average of all disinfectant residuals for this quarter	LOWEST disinfectant residual for this quarter	HIGHEST disinfectant residual for this quarter
1.44 mg/L	1.06 mg/L	1.96 mg/L

☑ I certify that I am familiar with the information contained in this report and that, to the best of my knowledge, the information is true, complete, and accurate.

Name: Shannon Goins Title: Operator

Water Operator License Number: WG0010502 Phone Number and Email: (936) 365-2228

Signature: Shannon Goins Date: 4/29/21 goodrichch@easetx.net

Complete this form for the previous quarter at the beginning of April, July, October, and January; and submit in time for it to be received by the TCEQ by the 10th of the month. Always print and sign form and keep a copy with your records for TCEQ review during onsite investigations.

Sign the DLQOR and mail to:

Certified Mail: TCEQ/DWSS MC-155, Attn: DLQOR, 12100 Park 35 Circle, Bldg F, Austin, TX 78753-1808

Regular Mail: TCEQ/DWSS MC-155, Attn: DLQOR, P.O. Box 13087, Austin, TX 78711-3087

2nd Quarter 2021

PWS_1870005_MR_____DLQOR

Disinfectant Level Quarterly Operating Report (DLQOR)

For All Groundwater or Purchased-Water Public Water Systems

Select Quarter:	Quarter 2 (April, May, June)	**Year:**	2021
PWS Name:	City of Goodrich	**PWS ID:**	1870005
Type of Disinfectant Used in Distribution System:		Chlorine (Free)	

First Month of Quarter: Monthly Summary

Month: April — Was the PWS active this month? (●) Yes ( ) No

Average of all disinfectant residuals:	Number of residuals collected:	Number of residuals below minimum:	Number of NO residuals:
1.68 mg/L	5 Count	0 Readings 0.0 %	0 Readings 0.0 %

Second Month of Quarter: Monthly Summary

Month: May — Was the PWS active this month? (●) Yes ( ) No

Average of all disinfectant residuals:	Number of residuals collected:	Number of residuals below minimum:	Number of NO residuals:
1.64 mg/L	4 Count	0 Readings 0.0 %	0 Readings 0.0 %

Third Month of Quarter: Monthly Summary

Month: June — Was the PWS active this month? (●) Yes ( ) No

Average of all disinfectant residuals:	Number of residuals collected:	Number of residuals below minimum:	Number of NO residuals:
1.69 mg/L	5 Count	0 Readings 0.0 %	0 Readings 0.0 %

Quarterly Summary and Certification

Average of all disinfectant residuals for this quarter	LOWEST disinfectant residual for this quarter	HIGHEST disinfectant residual for this quarter
1.67 mg/L	1.42 mg/L	1.92 mg/L

☑ I certify that I am familiar with the information contained in this report and that, to the best of my knowledge, the information is true, complete, and accurate.

Name: Shannon Goins Date: 7/9/2021

Signature: Shannon Goins Title and Phone Number: Operator (936) 365-2228

Water Operator License Number: WG0010502 Email: goodrichcr@eastex.net

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PWS_ 1870005 _MR_ 2021 10 14_DLQOR

Disinfectant Level Quarterly Operating Report (DLQOR)

For All Groundwater or Purchased-Water Public Water Systems

Select Quarter:	Quarter 3 (July, August, September)	Year:	2021
PWS Name:	City of Goodrich	PWS ID:	1870005
Type of Disinfectant Used in Distribution System:		Choose Disinfection Type	

First Month of Quarter: Monthly Summary

Month: July — Was the PWS active this month? (•) Yes ( ) No

Average of all disinfectant residuals:	Number of residuals collected:	Number of residuals below minimum:	Number of NO residuals:
1.48 mg/L	5 Count	0 Readings 0.0 %	0 Readings 0.0 %

Second Month of Quarter: Monthly Summary

Month: August — Was the PWS active this month? (•) Yes ( ) No

Average of all disinfectant residuals:	Number of residuals collected:	Number of residuals below minimum:	Number of NO residuals:
1.26 mg/L	5 Count	0 Readings 0.0 %	0 Readings 0.0 %

Third Month of Quarter: Monthly Summary

Month: September — Was the PWS active this month? (•) Yes ( ) No

Average of all disinfectant residuals:	Number of residuals collected:	Number of residuals below minimum:	Number of NO residuals:
1.21 mg/L	5 Count	0 Readings 0.0 %	0 Readings 0.0 %

Quarterly Summary and Certification

Average of all disinfectant residuals for this quarter	LOWEST disinfectant residual for this quarter	HIGHEST disinfectant residual for this quarter
1.32 mg/L	0.80 mg/L	1.71 mg/L

☑ I certify that I am familiar with the information contained in this report and that, to the best of my knowledge, the information is true, complete, and accurate.

Name: Shannon Goins Date: 2021 10 14

Signature: Title and Phone Number: operator (936) 365 2228

Water Operator License Number: WG0010502 Email: goodrichch@eastex.net

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TCEQ-20067 (Revised 03/2021)

Resubmit

PWS_1870005 _MR_2022021 _DLQOR

Disinfectant Level Quarterly Operating Report (DLQOR)

For All Groundwater or Purchased-Water Public Water Systems

Select Quarter:	Choose Quarter 4th	Year:	2021
PWS Name:	City of Godrich	PWS ID:	1870005
Type of Disinfectant Used in Distribution System:	Chlorine (Free)		

First Month of Quarter: Monthly Summary

Month: October — Was the PWS active this month? (•) Yes ( ) No

Average of all disinfectant residuals:	Number of residuals collected:	Number of residuals below minimum:	Number of NO residuals:
1.20 mg/L	6 Count	0 Readings 0.0 %	0 Readings 0.0 %

Second Month of Quarter: Monthly Summary

Month: November — Was the PWS active this month? (•) Yes ( ) No

Average of all disinfectant residuals:	Number of residuals collected:	Number of residuals below minimum:	Number of NO residuals:
1.20 mg/L	6 Count	0 Readings 0.0 %	0 Readings 0.0 %

Third Month of Quarter: Monthly Summary

Month: December — Was the PWS active this month? (•) Yes ( ) No

Average of all disinfectant residuals:	Number of residuals collected:	Number of residuals below minimum:	Number of NO residuals:
1.10 mg/L	6 Count	0 Readings 0.0 %	0 Readings 0.0 %

Quarterly Summary and Certification

Average of all disinfectant residuals for this quarter	LOWEST disinfectant residual for this quarter	HIGHEST disinfectant residual for this quarter
1.17 mg/L	0.87 mg/L	1.60 mg/L

☑ I certify that I am familiar with the information contained in this report and that, to the best of my knowledge, the information is true, complete, and accurate.

Name: Shannon Goins Date: 2/4/22

Signature: Shannon Goins Title and Phone Number: operator (936) 365-2228

Water Operator License Number: WG0010502 Email: goodrichch@eastex.net

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TCEQ-20067 (Revised 03/2021)