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TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

May 12, 2023

KENNETH HUGHES
CITY OF FAIRFIELD
222 S MOUNT ST
FAIRFIELD, TX 75840-1534

Subject: **2022 CONSUMER CONFIDENCE REPORT - REMINDER NOTICE**
CITY OF FAIRFIELD - PWS # 0810001
FREESTONE County, Texas

Attention Public Water System Owner / Manager / Operator:

Every community public water system (PWS) is required to deliver a 2022 Consumer Confidence Report (CCR) to their customers and to the Texas Commission on Environmental Quality (TCEQ) by July 1, 2023. This report contains drinking water data from the 2022 calendar year and informs customers about the quality of their drinking water.

To facilitate timely compliance, PWSs can generate a template CCR using the TCEQ CCR generator. The generator can be accessed through the "Generate CCR Report" button located on the left side of the home page of the Drinking Water Watch website at <<https://dww2.tceq.texas.gov/DWW/>>.

Please be aware that the template generated is not the complete CCR. It is your responsibility to ensure that the CCR meets the requirements listed in 30 TAC 290 Subchapter H: Consumer Confidence Reports, located at <https://www.tceq.texas.gov/assets/public/comm_exec/pubs/rg/rg-346.pdf>.

Instructions on completing a CCR, including an instructional video, can be found on the TCEQ CCR web page <https://www.tceq.texas.gov/drinkingwater/ccr/ccr_links.html>.

These instructions will help ensure you don't make these errors such as the following commonly missed items:

- Water system's contact information;
- Disinfectant residual data;
- Data from any systems which provide water to your system (your provider is required to provide this information by April 1 each year);
- Required Spanish language statement;
- Required definitions, including Level 1 and Level 2 assessment definitions;
- Health language for any secondary Fluoride exceedances; and
- Valid violations that occurred in the previous year, including those which have returned to compliance.

P.O. Box 13087 • Austin, Texas 78711-3087 • 512-239-1000 • [tceq.texas.gov](https://www.tceq.texas.gov)

How is our customer service? [tceq.texas.gov/customersurvey](https://www.tceq.texas.gov/customersurvey)



Consumer Confidence Report TCEQ Certificate of Delivery Texas Commission on Environmental Quality

For Calendar year: 2022 PWS Name: City of Fairfield - Boyd Unit
PWS ID Number: TX0810037 Date Distributed to Customers: 6-1-2023

You must use at least one direct delivery and at least one good faith delivery method. If your system is under 500 population, please use Small System Certificate of Delivery form.

Direct Delivery Methods

- Mail a paper copy of the CCR
Mail notification that CCR is available on-line at https://
*The Internet link (url) you insert above must take customers directly to the open CCR.
Email direct web address of the CCR, available at https://
Email CCR as an attachment to or an embedded image in an email.
Other direct delivery (for example, door hangers or additional electronic delivery method).
Please specify: Face to face

Systems serving 100,000 or more people are required to post the CCR on a publicly available web site and provide the direct URL here: https://

Good faith delivery methods (To reach people who do not receive bills)

- Posting the CCR on the Internet at https://
Mailing the CCR to people who receive mail, but who do not receive bills.
Advertising the availability of the CCR in news media.
Posting the CCR in public places.
Delivering multiple copies to single billing addresses serving multiple persons.
Delivering multiple copies of the CCR to community organizations.

I certify that the community water system named above has distributed the Consumer Confidence Report (CCR) for the calendar year of 2022 and that the information in the report is correct and consistent with the compliance monitoring data previously submitted to the TCEQ. Systems serving 100,000 or more people are required to post the CCR on a publicly available web site and provide the direct URL.

I have included a Public Notice requiring additional mandatory language NOT populated by the CCR generator and request for the Public Notice be reviewed for compliance.

Certified By:

Name (print): Clyde Woods Title: Director Phone Number: 903-389-2633
Signature: [Signature] Date: 5-24-2023

All systems are required to mail by July 1 the Certificate of Delivery and Consumer Confidence Report to:

Sending by Regular Mail
TCEQ
DWSF, MC-155, Attn: CCR
PO Box 13087
Austin, TX 78711-3087

Sending by Certified Mail
TCEQ
DWSF, MC-155, Attn: CCR
12100 Park 35 Circle
Austin, TX 78753

2022 Consumer Confidence Report for Public Water System CITY OF FAIRFIELD BOYD UNIT

This is your water quality report for January 1 to December 31, 2022

CITY OF FAIRFIELD BOYD UNIT PWS# TX0810037 provides ground water from the Carrizo Wilcox Aquifer located in Freestone County.

For more information regarding this report contact:

Name Clyde Woods

Phone (903) 389-2633

Este reporte incluye información importante sobre el agua para tomar. Para asistencia en español, favor de llamar al telefono (903) 389-2633

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.

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.

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 - or one ounce in 7,350,000 gallons of water.
ppm:	milligrams per liter or parts per million - or one ounce in 7,350 gallons of water.
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 EPA's 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).

Lead Statement

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 **Clyde Woods at 903-390-0781**

Contact Information for your local Public Water System

Any further questions or for possible further information for public education, please call **Clyde Woods at City Hall 903-389-2633**
 For opportunities for public participation in decisions that may affect the quality of water please call **City Hall at 903-389-2633** for a City Council meeting schedule.

2022 Water Quality Test Results

Lead and Copper	Date Sampled	MCLG	Action Level (AL)	90th Percentile	# Sites Over AL	Units	Violation	Likely Source of Contamination
Copper	06/30/2020 (Every 3 years)	1.3	1.3	0.2	0	ppm	N	Erosion of natural deposits; Leaching from wood preservatives; Corrosion of household plumbing systems
Lead	06/30/2020 (Every 3 years)	0	15	2.0	0	ppb	N	Corrosion of household plumbing systems; Erosion of natural deposits.

Disinfection By-Products	Collection Date	Highest Level Detected	Range of Individual Samples	MCLG	MCL	Units	Violation	Likely Source of Contamination
Haloacetic Acids (HAA5)	7/8/2022	8.30	8.3 – 8.3 ug/L	No goal for the total	60	ppb	N	By-product of drinking water disinfection.

*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 year¹

Total Trihalomethanes (TTHM)	7/8/2022	26.7	26.7-26.7	No goal for the total	80	ppb	N	By-product of drinking water disinfection.
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* 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	Collection Date	Highest Level Detected	Range of Individual Samples	MCLG	MCL	Units	Violation	Likely Source of Contamination
Barium	9-20-2021 (Every 3 years)	0.025	0.025 - 0.025	2	2	ppm	N	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits.
Fluoride	9-20-2021 (Every 3 years)	0.206	0.206 - 0.206	4	4.0	ppm	N	Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from fertilizer and <u>aluminum factories</u> .
Nitrate [measured as Nitrogen]	7/2/2022	0.0485	0.0485 - 0.0485	10	10	ppm	N	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits.

Radioactive Contaminants	Collection Date	Highest Level Detected	Range of Individual Samples	MCLG	MCL	Units	Violation	Likely Source of Contamination
Combined Radium 226/228	11-23-2021 (Every 3 years)	1.5	1.5-1.5	0	5	pCi/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
Chlorine	2022	1.09	0.59 ~ 2.20	4	4	ppm	N	Water additive used to control microbes.

The City of Fairfield is committed to providing Superior water quality to our customers. Our well trained staff is caring and qualified to process your water needs.

We ask that you help our environment by protecting our limited and valuable resources.

If you have any questions or concerns, please feel free to contact **City Hall at 903-389-2633**

Sincerely,



Clyde Woods
City Director of Operations