

***CRAFT-TURNEY WATER
SUPPLY CORPORATION
ANNUAL WATER
QUALITY REPORT***

Water testing performed in 2021



Public Water Supply No. 0370016

2021 Consumer Confidence Report for Public Water System CRAFT TURNEY WSC MAIN

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

CRAFT-TURNEY WSC was compliant with all State and Federal Drinking Water Regulations for all contaminants. The following tables provide the water quality results of Craft-Turney WSC's drinking water. Please note that a list of definitions has been provided to help you understand the tables.

Craft-Turney WSC Main provides groundwater from the water distribution system's two groundwater wells (from the Carrizo-Wilcox Aquifer) and when necessary, purchase water received from the City of Jacksonville's (PWS No. 0370002) groundwater well #3 facility site located at 300 Tena Street, Jacksonville, TX, Cherokee County, TX.

For more information regarding this report, contact: Rhonda Briggs / Phone: (903) 586-9301 Craft-Turney WSC Office.

Este reporte incluye información importante sobre el agua para tomar. Para asistencia en español, favor de llamar al teléfono (903) 586-9301.

The public may participate in Craft-Turney Water Supply Corporation's monthly meetings held every second Tuesday of the month at 6:00 pm at the Corporation office at 505 SE Loop 456, Jacksonville, TX 75766. If you have any questions, please call (903) 586-9301.

Definitions and Abbreviations

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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 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).

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

CRAFT-TURNEY WSC MAIN Provides water from the water distribution system’s two groundwater wells (from the Carrizo-Wilcox Aquifer) and when necessary, purchases water from THE CITY OF JACKSONVILLE. THE CITY OF JACKSONVILL provides purchased water from groundwater well #3 water facility site located at 300 Tena Street, Jacksonville, TX, Cherokee County, TX.

CRAFT-TURNEY WATER SUPPLY CORPORATION SOURCES OF DRINKING WATER:

- Union Grove Well – 4610 FM 1910, Jacksonville, TX 75766 / Groundwater / Status – Active / Carrizo-Wilcox Aquifer
- Batton Loop Well – 2320 CR 1905, Jacksonville, TX 75766 / Groundwater / Status – Active / Carrizo-Wilcox Aquifer
- Plant #1 New Well – 507 SE Loop 456, Jacksonville, TX 75766 / Groundwater / Status – Active / Carrizo-Wilcox Aquifer
- The City of Jacksonville (purchase water) / CC From TX 0370002 / Groundwater (Well #3 at 300 Tena Street, Jacksonville, TX 75766) / Status – Active / Carrizo-Wilcox Aquifer

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 Rhonda Briggs at (903) 586-9301, Craft-Turney Water Supply Corporation Office.

Coliform Bacteria

Lead and Copper	Date Sampled	MCLG	Action Level (AL)	90th Percentile	# Sites Over AL	Units	Violation	Likely Source of Contamination
Copper	09/12/2019	1.3	1.3	0.358	0	ppm	N	Erosion of natural deposits; Leaching from wood preservatives; Corrosion of household plumbing systems.

CITY OF JACKSONVILLE – SOURCES OF DRINKING WATER

The City of Jacksonville receives its surface water from Lake Jacksonville and treats that water at the Kickapoo Street Water Treatment Plant. The surface water is treated, filtered, and disinfected before distribution to the public. The City of Jacksonville’s water distribution system is also supplied by five (5) deep wells tapping the Carrizo-Wilcox Aquifer.

CITY OF JACKSONVILLE – ADDITIONAL INFORMATION

For More information regarding this report contact: Randall Chandler / Phone: (903) 589-3510 Water Utility Department.
 Este reporte incluye información importante sobre el agua para tomar. Para asistencia en español, favor de llamar al teléfono (903) 589-3510.

2021 Water Quality Test Results

Disinfection By-Products	Collection Date	Highest Level Detected	Range of Individual Samples	MCLG	MCL	Units	Violation	Likely Source of Contamination
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Haloacetic Acids (HAA5)	2021	31	8.3 - 43.4	No goal for the total	60	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 HAA5 sample results collected at a location over a year.

Total Trihalomethanes (TTHM)	2021	67	31.3 – 95.8	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	2021	0.014	0.0054 - 0.014	2	2	ppm	N	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits.
Fluoride	2021	0.3	0.154 - 0.778	4	4.0	ppm	N	Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from fertilizer and aluminum factories.
Nitrate [measured as Nitrogen]	2021	0.033	0.02 - 0.033	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	05/03/2018	1.5	1.5 - 1.5	0	5	pCi/L	N	Erosion of natural deposits.

Disinfectant Residual

Disinfectant Residual	Year	Average Level	Range of Levels Detected	MRDL	MRDLG	Unit of Measure	Violation (Y/N)	Source in Drinking Water
Free Chlorine	2021	1.73	1.70 – 1.80	4	4	mg//L	N	Water additive used to control microbes.

CITY OF JACKSONVILLE REGULATED CONTAMINANT TABLE - YR 2021

<u>Substance</u>	<u>Year Sampled</u>	<u>MCL</u>	<u>MCLG</u>	<u>Amount Detected</u>	<u>Range</u>
Barium	2021	2	2	0.038	ND - 0.049
Chlorine	2021	[4]	[4]	1.4	0.20 - 2.59
Fluoride	2021	4	4	0.74	0.0226 - 0.74
Nitrate	2021	10	10	0.0333	<0.01 - 0.0333
TTHM's	2021	80	NA	49.9	19.0 - 80.8
TOC	2021	TT	NA	2.21	1.63 - 2.21
Turbidity	2021	TT	NA	0.2	0.05 - 0.20

<u>Substance</u>	<u>Year Sampled</u>	<u>AL</u>	<u>MCLG</u>	<u>Amount Detected</u>
Copper	2020	1.3	1.3	0.4
Lead	2020	15	0	0

<u>Substance</u>	<u>Year Sampled</u>	<u>Amount Detected</u>	<u>Range</u>
Bromodichloromethane	2021	15.62	3.03 - 28.2
Bromoform	2021	1.23	0 - 1.23
Chloroform	2021	33.98	6.35 - 61.6
Dibromochloromethane	2021	7.15	1.3 - 13

WATER LOSS

Craft-Turney WSC did not experience any water shortages or implement any conservation plans during 2021. In the Water Loss Audit, submitted to the Texas Water Development Board for the period of January 2021 through December 2021, our system lost an estimated 221,930,000 gallons of water. This includes any water line breaks, flushing of water lines, filter backwashing, volunteer fire departments usage, water system tank repairs and inspections, water system improvements, new well drilling, as well as estimated losses. If you have any questions about the Water Loss Audit, please call Craft-Turney WSC at (903) 586-9301.

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- ☆ ***Craft-Turney WSC is encouraging the entire water supply system population to be responsible with your water use and to practice conserving the available water supply. The definition of Conservation is: Those practices, techniques, and technologies that reduce the consumption of water, reduce the loss or waste of water, improve the efficiency in the use of water, or increase the recycling and reuse of water so that a water supply is made available for future or alternative uses.***

 - ☆ ***All Members of the Craft-Turney Water Supply Corporation are encouraged to participate in contributing to one or all of the three local volunteer fire departments (Earle's Chapel VFD, Gallatin VFD, and Maydelle VFD) by making a monthly donation that can be added to your water service account. Please contact the Corporation office for further information.***

 - ☆ ***State law requires two working days (48 hours) notice prior to beginning excavation. Craft-Turney WSC Members should contact Texas*11 / DigTess at www.texas811 or 1-800-344-8377 at least 48 hours prior to digging or excavation activities along or near water lines and water system equipment.***

 - ☆ ***HAVE A SAFE AND HAPPY JULY 4TH HOLIDAY!***