



2024 Consumer Confidence Report for Public Water Systems

★ PSW ID 1840100 Du Chane
Chateaux Addition

Water Quality Report

Contact Info

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Este reporte incluye información importante sobre el agua
para tomar. Para asistencia en español, favor de llamar al
teléfono (817) 244-2248

Information About Your Drinking Water



**DU CHANE CHATEAUX provides ground water from TRINITY
RIVER located in PARKER COUNTY.**

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.

Information about source water

TCEQ completed an assessment of your source water, and results indicate that our sources have a low susceptibility to 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 Palo Duro Service 817-244-2248

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 stormwater 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 stormwater 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 stormwater 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 systems 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>.

Important Abbreviations

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

Lvl 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.

Lvl 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.

MFL

million fibers per liter (a measure of asbestos)

mrem

millirems per year (a measure of radiation absorbed by the body)

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.

NTU

nephelometric turbidity units (a measure of turbidity)

pCi/L

picocuries per liter (a measure of radioactivity)

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

Are required process intended to reduce the level of a contaminant in drinking water.

na

Not applicable

★ Coliform Bacteria

Maximum Contaminant Level Goal	Total Coliform Maximum Contaminant Level	Highest N° of Positive	Fecal Coliform or E. Coli Maximum Contaminant Level	Total N° of Positive E. Coli or Fecal Coliform Samples	Violation (Y/N)	Likely source of Contamination
0	1 positive monthly Sample	1	0	0	N	Naturally present in the environment

★ Lead and Copper

Lead and Copper	Date Sample	MCLG	Action Level (AL)	90th percentile	# Site Over AL	Units	Violation (Y/N)	Likely source of Contamination
Copper	08/24/2022	1.3	1.3	0.3084	0	ppm	N	Erosion of natural deposit; Leaching from wood preservatives; Corrosion of household plumbing systems
Lead	08/24/2022	0	15	1.6	0	ppb	N	Corrosion of household plumbing systems; Erosion of natural deposit

Did You Know?

- Pools are thirsty! An average backyard pool loses about 1 inch of water per week to evaporation—that's 4,000 gallons per month in summer! ☀️
- Sprinklers guzzle water! Running a sprinkler for one hour can use 1,000 gallons—that's like taking 40 showers! 🚿🌿

Water Quality Test Results

★ Inorganic Contaminants

Inorganic Contaminants	Collection Date	Highest Level Detected	Range of Individual Samples	MCLG	MCL	Units	Violation (Y/N)	Likely source of Contamination
Barium	12/12/2022	0.049	0.049-0.049	2	2	ppm	N	Discharge of drilling wastes; Discharge from metal refineries; erosion of natural deposits.
Chromium	12/12/2022	1.1	1.1-1.1	100	100	ppb	N	Discharge from steel and pulp mills; Erosion of natural deposit.
Fluoride	12/12/2022	0.186	0.186-0.186	4	4.0	ppm	N	Erosion of natural deposit; Water additive which promotes strong teeth; Discharge from fertilizer and aluminum factories.
Nitrate (measured as Nitrogen)	2024	0.0128	0.0128-0.0128	10	10	ppm	N	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits.

Water Quality Test Results



Radioactive Contaminants

Radioactive Contaminants	Collection Date	Highest Level Detected	Range of Individual Samples	MCLG	MCL	Units	Violation (Y/N)	Likely source of Contamination
Beta/photon emitters	09/17/2019	4.4	4.4-4.4	0	50	pCi/L*	N	Decay of natural and man-made deposit
Gross alpha excluding radon and uranium	09/17/2019	3.7	3.7-3.7	0	15	pCi/L	N	Erosion of natural deposit.

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



Disinfectant Residual

Disinfectant Residual	Year	Average Level	Range of Levels Detected	MCLG	MCL	Units	Violation (Y/N)	Source of Drinking Water
Free Chlorine	2024	1.06	0.34-2.40	4	4	ppm	N	Water additive used to control microbes

Palo Duro Service has developed an Inventory of both city-owned and customer-owned service lines in the Duchane Chateaux water system. To access the inventory, please visit our website at www.palodurowater.com under the forms & report tab.