

# 2021 Annual Drinking Water Quality Report

*Consumer Confidence Report*

## City of Pottsboro

Phone Number 903-786-2281

PWS ID Number: **TX 0910004**

PWS Name: **City of Pottsboro**

Annual Water Quality Report for the period of January 1st, to December 31st, 2021.

This report is intended to provide you with important information about your drinking water and the efforts made by the water system to provide safe drinking water.

City of Pottsboro water system is supplied by Ground Water and Purchased Surface Water.

For more information regarding this report contact:

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Phone: 903-821-5938

*Este reporte incluye información importante sobre el agua para tomar. Para asistencia en español, favor de llamar a; telefono (903)786-2281*

### Public Participation Opportunities

**City Council Meetings are generally held on the 1<sup>st</sup> Monday of each month at 5:30 p.m. For additional information contact the City Secretary's office at 903-786-2281, ext. 4**

**Location:** Pottsboro City Hall  
528 Hwy 120 East  
Pottsboro, TX 75076.

### Source of 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 pickup 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 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 limits the amount of certain contaminants in water provided by public water system. 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 provider. Additional guidelines appropriate means to lessen the risk of infection by Cryptosporidium are available from the Safe Drinking Water Hotline at (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 you water, you may wish to have you 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>.

### Water Quality Test Results

**Definitions:** The following contain scientific terms and measures, some of which may require explanation.

**Avg:** Regulatory compliance with some MCLs are based on running annual average of monthly samples.

**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)

**na:** not applicable

**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 - 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.

**ppt:** parts per trillion, or nanograms per liter (ng/L)

**ppq:** parts per quadrillion, or picograms per liter (pg/L)

### Information about Source Water Assessments

A source Water Susceptibility Assessment for your drinking water source(s) is currently being updated by the Texas Commission on Environmental Quality. This information describes the susceptibility and types of constituents that may come into contact with your drinking water source based on human activities and natural conditions. The information assessment allows us to focus source water protection strategies.

For more information about your sources of water, please refer to the Source Water Assessment Viewer available at the following URL:

<http://gis3.tceq.state.tx.us/swav/Controller/index.jsp?wtrsrc=>

Further details about sources and source-water assessments are available in Drinking Water Watch at the following URL:

<http://dww.tceq.texas.gov/DWW/>

Source Water Name Location	Type of Water
Well 2 - Franklin/Grayson 416 Franklin Ave	Ground Water
Well 3 - Meadowbrook 116 S Meadowbrook	Ground Water
Well 4 - Franklin/ Grayson 416 Grayson St.	Ground Water
City of Denison 7311 Hwy 120 E.	Surface Water

# 2021 Regulated Contaminants Detected

## Lead and Copper

Definitions: 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.

Action Level: The concentration of a contaminant which, if exceeded, triggers or other requirements which water system must follow.

Lead and Copper	Date of Sampled	MCLG	Action Level (AL)	90th Percentile	#Sites Over AL	Units	Violation	Likely Source of Contamination
Copper	2020	1.3	1.3	0.19	0	ppm	N	Erosion of natural deposits; leaching from wood preservatives; Corrosion of household plumbing systems.
Lead	2020	0	15	2.2	0	ppb	N	Corrosion of household plumbing systems; Erosion of natural deposits.

## Regulated Contaminants

Disinfectants and Disinfection By-Products	Collection Date	Highest Levels Detected	Range of Levels Detected	MCLG	MCL	Units	Violation	Likely Source of Contamination
Haloacetic Acids (HAA5)*	2021	41	12.4 – 48.6	No goal for the total	60	ppb	N	By-product of drinking water disinfection.
Total Trihalomethanes (TThm)*	2021	100	9.47 – 111	No goal for the total	80	ppb	N	By-product of drinking water disinfection.

Inorganic Contaminants	Collection Date	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Units	Violation	Likely Source of Contamination
Barium	2021	0.073	0.066 - 0.073	2	2	ppm	N	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits.
Fluoride	2021	0.168	0.161 - 0.168	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	0.06	0.0421 - 0.06	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 Levels Detected	MCLG	MCL	Units	Violation	Likely Source of Contamination
Beta/Photon emitters	2021	4.2	0 – 4.2	0	50	pCi/L	N	Decay of natural & manmade deposits
Combined Radium 226-228	2021	1.5	1.5-1.5	0	5	pCi/L	N	Erosion of natural deposits
Disinfectant Residual	Year	Average Level	Range of Levels Detected	MRDL	MRDLG	Unit of measure	Violation (Y/N)	Source of Drinking Water
	2021	1.49		4	4	mg/L ppm	N	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.



**City of Denison YEAR 2021 WATER QUALITY DATA**

CONTAMINANT	MCL mg/L	DENISON mg/L
pH	8.5	8
BARIUM	2	0.088
BETA PHOTON EMITTERS	50.0 pCi/L	5.1 pCi/L
CHLORIDE	300	127
SULFATE	300	111
FLUORIDE	4	0.135
ALKALINITY	N/A	133
TOTAL DISSOLVED SOLIDS	1000	509
TOTAL HARDNESS	N/A	247
SODIUM	N/A	93.1
CALCIUM	N/A	68.6
ZINC	0.2	0.014
CYANIDE	0.2	0.076
IRON	0.3	< 0.05
CHROMIUM	0.1	0.001
MANGANESE	0.05	0.016
ALUMINUM	N/A	0.0084
MAGNESIUM	N/A	18.3
POTASSIUM	N/A	4.34
CONDUCTIVITY	N/A	913 UMHO/cm
ATRAZINE	0.003	0.000025
<b>NEPHELOMETRIC TURBIDITY UNITS (NTU) FINISH WATER</b>		
State regulation: Turbidity must stay below 0.30 NTU 95% of the time.		
<b>DENISON HIGHEST DAILY VALUE</b>		0.23
<b>DENISON AVERAGE DAILY VALUE</b>		0.08

THESE VALUES ARE FROM THE CITY OF DENISON'S FINISH WATER SUPPLY. IF YOUR SYSTEM WAS INDIVIDUALLY TESTED FOR TRIHALOMETHANES, LEAD, OR COPPER YOU MUST RECORD YOUR TEST RESULTS IN YOUR CONSUMER CONFIDENCE REPORT.

**SOURCE WATER SUSCEPTIBILITY ASSESSMENT RESULTS**

System Susceptibility Summary											
Asbestos	Cyanide	Metals	Microbial	Minerals	Radiochemical	Synthetic Organic Chemicals	Disinfection Byproduct	Volatile Organic Chemicals	Drinking Water Contaminant Candidates	Other	
Low	Low	High	Medium	High	High	High	Medium	High	High	Med.	
Entry Point Susceptibility Summary											
Entry Point ID	Asbestos	Cyanide	Metals	Microbial	Minerals	Radiochemical	Synthetic Organic Chemicals	Disinfection Byproduct	Volatile Organic Chemicals	Drinking Water Contaminant Candidates	Other
001	Low	Low	High	High	High	High	High	Medium	High	High	Med.