

2024 Consumer Confidence Report for Public Water System CITY OF PITTSBURG

This is your water quality report for January 1 to December 31, 2024

For more information regarding this report

CITY OF PITTSBURG provides surface water and ground water from NETMWD taken from the Lake

Name : City Hall

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Este reporte incluye información importante sobre el agua para tomar. Para asistencia en español, favor de llamar al telefono (903)856-3621

Sources of Water			
Name	Type	Activity	Availability
SW FROM NORTHEAST TEXAS MWD	CC	A	P
8 - FULTON ST PLANT 4	WL	A	P
9 - FM 3384 / US271	WL	A	P
6 - LAUNDRY	WL	A	P
10 - BASIN / S-TOWN	WL	A	P
7 - PLANT 2	WL	A	P
4 - SPEARMAN	WL	A	P
5 - BY-PASS PLANT 3	WL	A	P
3 - VICTORY / PLUGGED	WL	I	P
2A - ICE HOUSE / PLUGGED	WL	I	P

The City of PITTSBURG regular City Council meetings are held on the second Monday of each month at 4:00PM

Definitions and Abbreviations

Definitions and Abbreviations	The following tables contain scientific terms and measures, some of which may require
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
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	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	The level of a contaminant in drinking water below which there is no known or expected risk to
Goal or MCLG:	health. MCLGs allow for a margin of safety.
Maximum residual disinfectant	The highest level of a disinfectant allowed in drinking water. There is convincing evidence that
level or MRDL:	addition of a disinfectant is necessary for control of microbial contaminants.
Maximum residual disinfectant	The level of a drinking water disinfectant below which there is no known or expected risk to
level goal or MRDLG:	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

CITY OF PITTSBURG purchases water from NORTHEAST TEXAS MWD PITTSBURG PLANT and ground water from Carrizo Wilcox aquifer. NORTHEAST TEXAS MWD PITTSBURG PLANT provides purchase surface water from the Lake Bob Sandlin located in Camp County. 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 NETMWD, 903-639-7538

Carrizo Wilcox Aquifer Facts

Aquifer type: confined and unconfined

Area of outcrop: 11,227 square miles

Area of subsurface: 25,491 square miles

Proportion of aquifer with groundwater conservation districts: 65 percent

Number of counties containing the aquifer: 66

Summary

The Carrizo-Wilcox Aquifer is a major aquifer extending from the Louisiana border to the border of Mexico in a wide band adjacent to and northwest of the Gulf Coast Aquifer. It consists of the Hooper, Simsboro, and Calvert Bluff formation of the Wilcox Group and the overlying Carrizo Formation of the Caliborne Group. The aquifer is primarily composed of sand locally interbedded with gravel, silt, clay, and lignite. Although the Carrizo-Wilcox Aquifer reaches 3,000 feet in thickness, the freshwater saturated thickness of the sands averages 670 feet.

To protect public health all public water systems (PWS) in the State of Texas are required to disinfect drinking water before providing it to customers. NETMWD uses chloramine disinfectants (free chlorine and ammonia), an effective disinfectant that persists over a long period of time, making it particularly valuable in areas with high temperatures.

A water system that uses chloramine may sometimes employ a free-chlorine conversion, removing ammonia from the treatment process, disinfecting the water only with free chlorine. This common practice is used as preventive maintenance to kill bacteria that, though harmless when consumed by humans, can introduce unwanted taste and odor, and create issues with maintaining a disinfectant residual.

Lead and Copper	Date Sampled	MCLG	Action Level (AL)	90th Percentile	# Sites Over AL	Units	Violation	Likely Source of Contamination
Copper	08/31/2022	1.3	1.3	0.412	0	ppm	N	Erosion of natural deposits; Leaching from wood preservatives; Corrosion of household plumbing systems.

2024 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)	2024	9	1.6 - 9.9	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)	2024	7	1.16 - 9.37	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	07/18/2023	0.04	0.034 - 0.04	2	2	ppm	N	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits.
Chromium	07/18/2023	5.1	0 - 5.1	100	100	ppb	N	Discharge from steel and pulp mills; Erosion of natural deposits.
Cyanide	07/18/2023	40.4	0 - 40.4	200	200	ppb	N	Discharge from plastic and fertilizer factories; Discharge from steel/metal factories.
Fluoride	07/18/2023	0.199	0.173 - 0.199	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]	2024	0.4	0.022 - 0.4	10	10	ppm	N	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits.
Nitrite [measured as Nitrogen]	04/20/2020	0.145	0 - 0.145	1	1	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	03/24/2022	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
Chloramine	2024	1.98	0.50 to 4.0	4	4	N	ppm	Water additive used to control microbes.

NETMWD PITTSBURG PLANT 2024 Water Quality Test Results

2024

Disinfection By-Products	Collection Date	Highest Level Detected	Range of Individual Samples	MCLG	MCL	Units	Violation	Likely Source of Contamination
Haloacetic Acids (HAA5)	2024	9	3.9 - 9.5	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 year

Total Trihalomethanes (TTHM)	2024	6	1.23 - 2.52	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

2024

Inorganic Contaminants	Collection Date	Highest Level Detected	Range of Individual Samples	MCLG	MCL	Units	Violation	Likely Source of Contamination
Barium	2024	0.04	0.04 - 0.04	2	2	ppm	N	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits.

Cyanide	2024	43.1	43.1 - 43.1	200	200	ppb	N	Discharge from plastic and fertilizer factories; Discharge from steel/metal factories.
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Fluoride	2024	0.1	0.0627 - 0.0627	4	4.0	ppm	N	Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from fertilizer and aluminum factories.
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Nitrate [measured as Nitrogen]	2024	0.401	0.401 - 0.401	10	10	ppm	N	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits.
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2024

Radioactive Contaminants	Collection Date	Highest Level Detected	Range of Individual Samples	MCLG	MCL	Units	Violation	Likely Source of Contamination
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Beta/photon emitters	03/29/2021	4.1	4.1 - 4.1	0	50	pCi/L*	N	Decay of natural and man-made deposits.
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*EPA considers 50 pCi/L to be the level of concern for beta particles.

Combined Radium 226/228	03/29/2021	1.5	1.5 - 1.5	0	5	pCi/L	N	Erosion of natural deposits.
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Total Organic Carbon

The percentage of Total Organic Carbon (TOC) removal was measured each month and the system met all TOC removal requirements set, unless a TOC violation is noted in the violations section.

