



# 2024 CONSUMER CONFIDENCE REPORT

# This is your Water Quality Report for January 1 to December 31, 2024

The Town of Fairview provides purchased surface water from **Lake Lavon** and **Bois d'Arc Lake** located in Collin County, Texas.

## For more information regarding this report contact:

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Este reporte incluye informacion importante sobre el agua para tomar.

Para asistencia en espanol, favor de llamar al telefono 972-562-0522

## Definitions and Abbreviations

### Action Level

### Avg

### Level 1 Assessment

### Level 2 Assessment

### Maximum Contaminant Level (MCL)

### Maximum Contaminant Level Goal (MCLG)

### Maximum Residual Disinfectant Level (MRDL)

### MFL

### mrem

### na

### NTU

### pCi/L

### ppb

### ppm

### ppq

### ppt

### Treatment Technique (TT)

- The concentration of a contaminant, which, if exceeded, triggers treatment or other requirements which a water system must follow.
- Regulatory compliance with some MCLs are based on running annual average of monthly samples.
- 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 a water system.
- 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 a water system on multiple occasions.
- 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.
- 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.
- 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.
- Million fibers per liter (a measure of asbestos)
- millirems per year (a measure of radiation absorbed by the body)
- not applicable
- nephelometric turbidity units (a measure of turbidity)
- picocuries per liter (a measure of radioactivity)
- micrograms per liter or parts per billion – or one ounce in 7,350,000 gallons of water.
- milligrams per liter or parts per million – or one ounce in 7,350 gallons of water.
- parts per quadrillion, or picograms per liter (pg/L)
- parts per trillion, or nanograms per liter (ng/L)
- 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

TOWN OF FAIRVIEW purchases water from NORTH TEXAS MWD WYLIE WTP. NORTH TEXAS MWD WYLIE WTP provides purchase surface water from **Lake Lavon and Bois d'Arc Lake** located in **Collin County**.

TCEQ completed a Source Water Susceptibility for all drinking water systems that own their sources. This report describes the susceptibility and types of constituents that may come into contact with the drinking water source based on human activities and natural conditions. The system(s) from which we purchase our water received the assessment report. For more information on source water assessments and protection efforts at our system contact **Town of Fairview, 469-628-4712**.

## Wylie Water Treatment Plant

## WATER QUALITY DATA FOR YEAR 2024

Inorganic Contaminants	Collection Date	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Units	Likely Source of Contamination	Violation
Barium	2024	0.06	0.04-0.06	2	2	ppm	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits	No
Cyanide	2024	128	28.5-128	0-0	200	ppb	Discharge from steel/metal factories; discharge from plastics and fertilizer factories.	No
Chromium	2024	1.3	1.3-1.3	100	100	ppb	Discharge from steel and pulp mills; erosion of natural deposits	No
Fluoride	2024	0.712	0.316-0.712	4	4	ppm	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories	No
Nitrate (measured as nitrogen)	2024	0.926	0.0592-0.926	10	10	ppm	Runoff from fertilizer use; leaching from septic tanks; sewage; erosion from natural deposits	No

Nitrate Advisory: Nitrate in drinking water at levels above 10 ppm is a health risk for infants of less than six months of age. High nitrate levels in drinking water can cause blue baby syndrome. Nitrate levels may rise quickly for short periods of time because of rainfall or agricultural activity. If you are caring for an infant you should ask advice from your health care provider.





# Wylie Water Treatment Plant (Continued)

## WATER QUALITY DATA FOR YEAR 2024



Radioactive Contaminants	Collection Date	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Units	Likely Source of Contamination	Violation
Beta/photon emitters	2024	5.3	5.3-5.3	0	50	pCi/L	Decay of natural and man-made deposits	No

Synthetic organic contaminants including pesticides and herbicides	Collection Date	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Units	Likely Source of Contamination	Violation
Atrazine	2024	0.1	0.1-0.1	3	3	ppb	Runoff from herbicide used on row crops	No
Simazine	2024	0.71	0.71-0.71	4	4	ppb	Herbicide runoff	No

Turbidity	Limit	Level Detected	Likely Source of Contamination	Violation
Highest Single measurement	1 NTU	0.93	Soil Runoff	No
Lowest monthly percentage meeting limit	0.3 NTU	96.7%	Soil Runoff	No

Secondary Constituents	Date	Highest Level Detected	Range of Levels Detected	Units	Likely Source of Contamination	Violation
Total Hardness as Ca/CO3	2024	202	105-202	ppm	Naturally occurring calcium	N/A
Calcium	2024	66.5	35.4-66.5	ppm	Naturally occurring element	N/A



Secondary Constituents (Continued)	Date	Highest Level Detected	Range of Levels Detected	Units	Likely Source of Contamination	Violation
Chloride	2024	95.3	15.4-95.3	ppm	Naturally occurring element, used in water purification, byproduct of oilfield activity	N/A
Magnesium	2024	9.84	5.88-9.84	ppm	Naturally occurring element	N/A
Manganese	2024	0.082	0.029 - 0.082	ppm	Naturally occurring element	N/A
Nickel	2024	0.0067	0.0048-0.0067	ppm	Erosion of natural deposits	N/A
pH	2024	8.9	7.4-8.9	Units	Measure of corrosivity of water	N/A
Sodium	2024	88.7	35.5-88.7	ppm	Erosion of natural deposits, by- product of oil field activity	N/A
Sulfate	2024	165	39.6-165	ppm	Naturally occurring, common industrial by product, by-product of oil field activity	N/A
Total Dissolved Solids	2024	509	271-509	ppm	Total dissolved mineral constituents in water	N/A
Total Alkalinity as CaCO3	2024	128	56.5-128	ppm	Naturally occurring soluble mineral salts	N/A

Inorganic Contaminants	Collection Date	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Units	Likely Source of Contamination	Violation
Barium	2024	0.046	0.046-0.046	2	2	ppm	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits	No
Cyanide	2024	120	120-120	200	200	ppb	Discharge from steel/metal factories; discharge from plastics and fertilizer factories.	No
Fluoride	2024	0.204	0.204-0.204	4	4	ppm	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories	No
Nitrate (measured as nitrogen)	2024	0.376	0.376-0.376	10	10	ppm	Runoff from fertilizer us; leaching from septic tanks/sewage/erosion of natural deposits.	No

Radioactive Contaminants	Collection Date	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Units	Likely Source of Contamination	Violation
Beta/photon emitters	2023	4.1	4.1-4.1	0	50	pCi/L	Decay of natural and man-made deposits	No



## Leonard Water Treatment Plant (Continued) WATER QUALITY DATA FOR YEAR 2024

Synthetic organic contaminants including pesticides and herbicides	Collection Date	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Units	Likely Source of Contamination	Violation
Atrazine	2024	0.2	0.1-0.2	3	3	ppb	Runoff from herbicide used on row crops	No

Turbidity	Limit	Level Detected	Likely Source of Contamination	Violation
Highest Single measurement	1 NTU	0.50	Soil Runoff	No
Lowest monthly percentage meeting limit	0.3 NTU	99.5%	Soil Runoff	No

Secondary Constituents	Date	Highest Level Detected	Range of Levels Detected	Units	Likely Source of Contamination	Violation
Total Hardness as Ca/CO3	2024	188	112-188	ppm	Naturally occurring calcium	N/A
Calcium	2024	54.1	42.7-54.1	ppm	Naturally occurring element	N/A
Chloride	2024	95.3	15.4-95.3	ppm	Naturally occurring element, used in water purification, byproduct of oilfield activity	N/A





Secondary Constituents (Continued)	Date	Highest Level Detected	Range of Levels Detected	Units	Likely Source of Contamination	Violation
Magnesium	2024	9.84	5.88-9.84	ppm	Naturally occurring element	N/A
Manganese	2024	16.9	10.0-16.9	ppm	Naturally occurring element, used in water purification, byproduct of oilfield activity	N/A
Nickel	2024	2.95	2.95-2.95	ppm	Naturally occurring element	N/A
pH	2024	0.063	0.028-0.063	ppm	Naturally occurring element	N/A
Sodium	2024	0.0041	0.0041-0.0041	ppm	Erosion of natural deposits	N/A
Sulfate	2024	8.4	7.8-8.4	Units	Measure of corrosivity of water	N/A
Total Dissolved Solids	2024	34.5	22.9-34.5	ppm	Erosion of natural deposits, by- product of oil field activity	N/A
Total Alkalinity as CaCO3	2024	69.4	47.2-69.4	ppm	Naturally occurring, common industrial by product, by-product of oil field activity	N/A



## Regulated in the Distribution System

Disinfection of Byproducts	Collection Date	Highest Level Detected	Range of Samples	MCLG	MCL	Units	Likely Source of Contamination	Violation
Haloacetic Acids (HAA5)	2024	27	8.6-42.3	No goal	60	ppm	By-product of drinking water disinfection	No
Total Trihalomethanes (TTHM)	2024	36	11-46.8	No goal	80	ppm	By-product of drinking water disinfection	No

Disinfection Residual	Year	Average Level	Range of Levels Detected	MRDL	MRDLG	Units	Source of Chemical	Violation
Chloramines	2024	2.43	0.9-3.6	4.0	4.0	ppm	Water additive used to control microbes	No

Inorganic Contaminants	Collection Date	Highest Level Detected	Range of Samples	MCLG	MCL	Units	Likely Source of Contamination	Violation
Nitrate (measured as Nitrogen)	2024	1	0.171-0.69	10	10	ppm	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits.	No



## Regulated at the Customers' Tap

Lead and Copper	Collection Date	MCLG	Action level (AL)	90th Percentile	# Sites Over AL	Units	Likely Source of Contamination	Violation
Copper	2024	1.3	1.3	0.781	0	ppm	Erosion of natural deposits; Leaching from wood preservatives; Corrosion of household plumbing systems	No
Lead	2024	0	15	1.21	0	ppm	Corrosion of household plumbing systems; Erosion of natural deposits.	No

