

TRAIL OF THE LAKES MUNICIPAL UTILITY DISTRICT

Our Drinking Water Meets or Exceeds All Federal (EPA) Drinking Water Requirements

This report is a summary of the quality of the water we provide our customers. The analysis was made by using the data from the most recent U.S. Environmental Protection Agency (EPA) required tests and is presented in the attached pages. We hope this information helps you become more knowledgeable about what’s in your drinking water.

Water Sources

The sources of drinking water (both tap 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 contaminants resulting from the presence of animals or from human activity.

Contaminants that may be present in source water include:

- *Microbial Contaminants*, such as viruses and bacteria, which may come from sewage treatment facilities, 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 and 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; and
- *Radioactive Contaminants*, which can be naturally-occurring or the result of oil and gas production and mining activities.

In order to ensure that tap water is safe to drink, the EPA prescribes regulations which limit the amount of certain contaminants in water provided by public water systems. Federal Food and Drug Administration Agency regulations establish limits for contaminants in bottled water which must provide the same protection for public health.

En Español

Este reporte incluye información importante sobre el agua potable. Para asistencia en Español, favor de llame al telefono (832) 490-1635.

Special Notice for the Elderly, Infants, Cancer Patients, People with HIV/AIDS or Other Immune Problems

You may be more vulnerable than the general population to certain microbial contaminants, such as Cryptosporidium, in drinking water. Infants, some elderly, or immuno-compromised 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 on appropriate means to lessen the risk of infection by Cryptosporidium are available from the Safe Drinking Water Hotline: (800-426-4791).

Public Participation Opportunities

The Board of Directors for your District meets in regular session on the last Monday of each month at 12:00p.m. For further information regarding the Board meetings, please go to the District’s website at www.trailofthelakesmud.com or call (832) 490-1600. You may also mail comments and questions to:

*Trail of the Lakes Municipal Utility District
Attn.: Board of Directors
6420 Reading Road
Rosenberg, Texas 77471
Or Call: (832) 490-1635*

Where Do We Get Our Water?

Our drinking water is obtained from groundwater sources. Our water comes from the Evangeline aquifer. The Texas Commission on Environmental Quality 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 are based on this susceptibility and previous sample data. Any detection of these contaminants will be found in this Consumer Confidence Report. For more information on source water assessments and protection efforts contact Mike Thornhill in our Compliance Department at (832) 490-1635.

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If you would like to talk to a District Representative about your Water Quality Report, please call (832) 490-1635. For more information from the U.S. Environmental Protection Agency, you may call the EPA's Safe Drinking Water Hotline at (800) 426-4791.

2024 | Drinking Water
Quality Report

Consumer Confidence Report



**TRAIL OF THE LAKES
MUNICIPAL UTILITY DISTRICT**

All Drinking Water May Contain Contaminants

When drinking water meets federal standards, there may not be any health based benefits to purchasing bottled water or point of use devices. 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 (1-800-426-4791).

Secondary Constituents

Many constituents (such as calcium, sodium, or iron) which are often found in drinking water, can cause taste, color, or odor problems. The taste and odor constituents are called secondary constituents and are regulated by the State of Texas, not the EPA. 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.

About the Tables

That attached table contains all of the chemical contaminants which have been found in your drinking water. The U.S. EPA requires water systems to test for up to 97 contaminants. All contaminants detected in your water are below state and federally allowed levels. The State of Texas allows us to monitor for some contaminants less than once per year because the concentrations of these contaminants do not change frequently.

Regulated Inorganic Contaminants

YEAR	Contaminant (Unit of Measurement)	Highest Level Detected	Range of Detected Levels	Violation	MCL	MCLG	Source of Contaminant
2023	Arsenic (ppb)	6.5*	5.8 - 6.5	No	10	0	Erosion of natural deposits
2023	Barium (ppm)	0.805	0.135 - 0.805	No	2	2	Erosion of natural deposits
2023	Fluoride (ppm)	0.97	0.46 - 0.97	No	4	4	Erosion of natural deposits
2023	Selenium (ppb)	11.1	3.7 - 11.1	No	50	50	Erosion of natural deposits
2024	Nitrate (ppm)	ND	NA	No	10	10	Erosion of natural deposits
2024	Alpha emitters (pCi/L)	31.7	31.5 - 31.7	Yes	15	0	Erosion of natural deposits
2024	Combined Radium (pCi/L)	9	6.82 - 9.78	Yes	5	0	Erosion of natural deposits

Additional Arsenic Health Information Because the highest reported arsenic level on this report is between 5 ppb and 10 ppb, the following information is required be EPA: While your drinking water meets EPA's standard for arsenic, it does contain low levels of arsenic. EPA's standard balances the current understanding of arsenic's possible health effects against the cost of removing arsenic from drinkingwater. EPA continues to research the health effects of low levels of arsenic, which is a mineral known to cause cancer in humans at high concentrations and is linked to other health effects such as skin damage and circulatory problems.

Lead and Copper

YEAR	Contaminant (Unit of Measurement)	90th Percentile	Number of sampling sites exceeding Action Level	Violation	Action Level	MCLG	Source of Contaminant
2024	Lead (ppb)	1	0	No	15	0	Corrosion of household plumbing
2024	Copper (ppm)	0.009	0	No	1.3	1.3	Corrosion of household plumbing

Additional Health Information for Lead

All water systems are required by the EPA to report the following language: “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. This water supply is responsible for providing high quality drinking water, but 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>.”

* The Lead Service Line Inventory has been completed for your system and no lines were found to contain lead. Results of the survey can be found at the offices of Si Environmental.

Drinking Water Definitions and Units Descriptions

NA:	Not Applicable
ND:	Not Detected
NR:	Not Reported
pCi/L:	picocuries per liter (a measure of radioactivity)
ppm:	parts per million, or milligrams per liter (mg/L)
ppb:	parts per billion, or micrograms per liter (ug/L)
MNR:	Monitoring not required, but recommended

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.

Disinfection Residuals

YEAR	Contaminant (Unit of Measurement)	Highest Average Level Detected	Range of Detected Levels	Violation	MRDL	MRDLG	Source of Contaminant
2024	Free Chlorine (ppm)	2.52	0.25 - 3.80	No	4	4	Disinfectant used to control microbes

Disinfection By-Products

YEAR	Contaminant (Unit of Measurement)	Highest Level Detected	Range of Detected Levels	Violation	MCL	MCLG	Source of Contaminant
2024	Total Trihalomethanes (TTHM) (ppb)	12	NA	No	80	0	By-product of drinking water disinfection
2024	Total Haloacetic Acids (HAA5) (ppb)	1	NA	No	60	0	By-product of drinking water disinfection

Combined Radium 226/228 Some people who drink water containing radium 226 or 228 in excess of the MCL over many years may have an increase risk of getting cancer.

Violation Type	Violation Begin	Violation End	Violation Explanation
MCL, AVERAGE	1/1/2024	3/31/2024	Water samples showed that the amount of this contaminant in our drinking water was above its standard (called a maximum contaminant level and abbreviated MCL) for the period indicated.
MCL, AVERAGE	4/1/2024	6/30/2024	Water samples showed that the amount of this contaminant in our drinking water was above its standard (called a maximum contaminant level and abbreviated MCL) for the period indicated.

Gross Alpha Excluding Radon and Uranium Certain minerals are radioactive and may emit a form of radiation know as alpha radiation. Some people who drink water containing alpha emitters in excess of the MCL over many years may have an increased risk of getting cancer.

Violation Type	Violation Begin	Violation End	Violation Explanation
MCL, AVERAGE	1/1/2024	3/31/2024	Water samples showed that the amount of this contaminant in our drinking water was above its standard (called a maximum contaminant level and abbreviated MCL) for the period indicated.
MCL, AVERAGE	4/1/2024	6/30/2024	Water samples showed that the amount of this contaminant in our drinking water was above its standard (called a maximum contaminant level and abbreviated MCL) for the period indicated.

Public Notification Rule The Public Notification Rule helps to ensure that the consumers will always know if there is a problem with their drinking water. These notices immediately alert consumers if there is a serious problem with their drinking water (e.g., a boil water emergency).

Violation Type	Violation Begin	Violation End	Violation Explanation
PUBLIC NOTICE RULE LINKED TO VIOLATION	10/6/2024	10/11/2026	We failed to adequately notify you, our drinking water consumers, about a violation of the drinking water regulations.

The EPA which set these limits has declared that this is not an emergency. Certain minerals are radioactive and may emit a form of radiation known as alpha radiation. You do not need to use an alternate water supply. The well that was showing these signs of alpha radiation was shutdown in June of 2024 and has remained off since that time. The alternate source of water being used since June of 2024 has not exceeded the limits for alpha radiaton.