

2020

DRINKING WATER QUALITY REPORT



CONSUMER CONFIDENCE REPORT

PWS ID: TX1870064

TAYLOR LAKE ESTATES WATER SYSTEM

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

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. The U.S. Environmental Protection Agency (EPA) requires ongoing tests of all public water systems, and the results are provided on the following pages. We hope that by this information helps you to become more aware of what's in your drinking water in TAYLOR LAKE ESTATES WATER SYSTEM

Water Sources

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.

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.

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

Special Notice for Infants, Elderly and those with Special Health Circumstances



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; those 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 at (800) 426-4791.

En Español

Este reporte incluye información importante sobre el agua potable. Para asistencia en español, favor de llamar por teléfono al 713-554-1417.

Public Participation Opportunities

You may mail comments to:

Undine Texas, LLC.

Attn: TAYLOR LAKE ESTATES WATER SYSTEM

P.O. Box 691288

Houston, TX 77269

Where do we get our drinking water?

The source of drinking water used by TAYLOR LAKE ESTATES WATER SYSTEM is Ground Water. It comes from the Gulf Coast Aquifer. 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, please contact TAYLOR LAKE ESTATES WATER SYSTEM at: 713-554-1417.

All Drinking Water May Contain Contaminants

When drinking water meets federal standards there may not be any health benefits to purchasing bottled water or point of use devices. Drinking water, including bottled water, may reasonably be expected to contain at least small amount 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 found by calling the EPA's Safe Drinking Water Hotline (1-800-426-4791).

About this report

This report lists all of the federally regulated or monitored contaminants which have been found in your drinking water. The U.S. EPS requires water systems to test for up to 97 contaminants. Most sampling is conducted at each source water entry point into the system. The actual water received by a consumer may be a blend from different sources, depending on location.

Drinking Water Abbreviations and Definitions:

Action Level or AL: 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.

MFL: million fibers per liter (a measure of asbestos)

N/A: not applicable

NTU: nephelometric turbidity units (a measure of turbidity)

pCi/L: picocuries per liter (a measure of radioactivity)

ppm: parts per million, or milligrams per liter (mg/L), or one ounce in 7,350 gallons of water

ppb: parts per billion, or micrograms per liter, or one ounce in 7,350,000 gallons of water

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

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

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: 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 Goal or MCLG:

The level of contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.

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 residual disinfectant level goal or MRDLG:

There is a level of drinking water disinfectant below which there is no known or expected risk to health. MRDLs do not reflect the benefits of the use of disinfectants to control microbial contaminants.

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.

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

Treatment Technique or TT: A required process intended to reduce the level of a contaminant in drinking water.

Lead and Copper	Date Sampled	MCLG	Action Level (AL)	90th Percentile	# Sites Over AL	Units	Violation	Likely Source of Contamination
Copper	2020	1.3	1.3	0.223	0	ppm	N	Erosion of natural deposits; Leaching from wood preservatives; Corrosion of household plumbing systems.

Inorganic Contaminants	Collection Date	Highest Level Detected	Range of Individual Samples	MCLG	MCL	Units	Violation	Likely Source of Contamination
Arsenic	2020	11	3.7 - 4.8	0	10	ppb	Y	Erosion of natural deposits; Runoff from orchards; Runoff from glass and electronics production wastes.
Barium	2019	0.283	0.283 - 0.283	2	2	ppm	N	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits.
Fluoride	2019	0.19	0.19 - 0.19	4	4.0	ppm	N	Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from fertilizer and aluminum factories.

*The value in the Highest Level or Average Detected column is the highest average of all Arsenic sample results collected at a location over a year

Radioactive Contaminants	Collection Date	Highest Level Detected	Range of Individual Samples	MCLG	MCL	Units	Violation	Likely Source of Contamination
Beta/photon emitters	2016	7.1	6.1 - 7.1	0	50	pCi/L*	N	Decay of natural and man-made deposits.
Gross alpha excluding radon and uranium	2016	3.9	0 - 3.9	0	15	pCi/L	N	Erosion of natural deposits.

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

Disinfectant Residuals

Year	Containment Unit of Measure	Average Level Detected	Range of Level Detected	MRDL	MRDLG	Violation	Likely Source of Contamination
2020	Free Chlorine	1.1	0.26 – 2.30	4	4	No	Water additive used to control microbes

- In 2020 **Taylor Lake Estates Water System** submitted a Water Loss Audit and reported a water loss of 4.27 gallons per day, per connection.

Additional Health Information for Lead

All water systems are required by 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>.”*

Violations Table:

Arsenic			
Some people who drink water containing arsenic in excess of the MCL over many years could experience skin damage or problems with their circulatory system, and may have an increased risk of getting cancer.			
Violation Type	Violation Begin	Violation End	Violation Explanation
MCL, AVERAGE	01/01/2020	03/31/2020	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 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	10/26/2018	11/09/2020	We failed to adequately notify you, our drinking water consumers, about a violation of the drinking water regulations.
PUBLIC NOTICE RULE LINKED TO VIOLATION	05/09/2020	2020	We failed to adequately notify you, our drinking water consumers, about a violation of the drinking water regulations.

Mandatory Language for a Maximum Contaminant Level Violation MCL, AVERAGE / ARSENIC

The Texas Commission on Environmental Quality (TCEQ) has notified the **Taylor Lake Estates** public water system that the drinking water being supplied to customers had exceeded the Maximum Contaminant Level (MCL) for arsenic. The U.S. Environmental Protection Agency (U.S. EPA) has established the MCL for arsenic to be 0.010 milligrams per liter (mg/L) based on the running annual average (RAA) and has determined that it is a health concern at levels above the MCL. Analysis of drinking water in your community for arsenic indicates a compliance value in the **Fourth Quarter of 2019** of **0.0138mg/L** for **EP001**.

This is not an emergency. However, some people who drink water containing arsenic in excess of the MCL over many years could experience skin damage or problems with their circulatory system and may have an increased risk of getting cancer.

You do not need to use an alternative water supply. However, if you have health concerns, you may want to talk to your doctor to get more information about how this may affect you.

We have sampled Quarterly for Arsenic and have been in compliance since the First Quarter of 2020.

Please share this information with all people who drink this water, especially those who may not have received this notice directly (i.e., people in apartments, nursing homes, schools, and businesses). You can do this by posting this notice in a public place or distributing copies by hand or mail.

If you have questions regarding this matter, you may contact **Undine Texas, LLC.** at (713) 554-1417.

Mandatory Language for Monitoring and Reporting Violation
Chemical Sampling
CHEMICAL MONITORING, ROUTINE MAJOR

The TAYLOR LAKE ESTATES, water system PWS ID: TX1870064 has violated the monitoring and reporting requirements set by the Texas Commission on Environmental Quality's in chapter 30, Section 290, Subchapter F. Public water systems are required to collect and submit chemical samples of water provided to their customers and report the results of those samples to the TCEQ on a regular basis.

We failed to monitor and report the following constituent: Arsenic, this violation occurred in the monitoring period of January 1,2021 to March 31, 2021.

Results of regular monitoring are an indicator of whether or not your drinking water is safe from chemical contamination. We did not complete all the monitoring and reporting for chemical constituents, and therefore TCEQ cannot be sure of the safety of your drinking water during that time.

We are already working and have taken action to address this issue and we have updated contact information with the laboratory in charge of these samples so that the samples can be drawn within the corresponding period.

*Please share this information with all the other people who drink this water, especially those who may not have received this notice directly (for example, people in apartments, nursing homes, schools and businesses). You can do this by posting this notice in a public place or distributing copies by hand or mail. *

If you have any questions regarding this matter, you may contact **Undine Texas, LLC.** at (713) 554-1417.