HARRIS COUNTY
MUNICIPAL UTILITY DISTRICT NO. 419

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 U.S. Environmental Protection Agency 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 informacion importante sobre el aqua para tomar. 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 of the District meets at 11:00 AM on the second Monday of each month at 1300 Post Oak Blvd., Suite 2500, Houston, Texas. You may mail comments to:

Harris County Municipal Utility District No. 419

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 both groundwater and surface water sources. 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 system from which we purchase our surface water, the City of Houston, also received an assessment report. 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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Si Environmental, LLC
6420 Reading Rd.
Rosenberg, TX 77471

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.

2025 Drinking Water Quality Report

Consumer Confidence Report

HARRIS COUNTY MUNICIPAL UTILITY DISTRICT NO. 419

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PWS ID: 1013335

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.

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.

MCL: Maximum Contaminant Level: 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.

MCLG: Maximum Contaminant Level Goal: The level of a contaminant in drinking water below which there is no known or expected health risk. MCLGs allow for a margin of safety.

MRDL: Maximum Residual Disinfection Level: The highest level of disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.

MRDLG: Maximum Residual Disinfectant Level Goal: The level of drinking water disinfectant below which there is no known or expected health risk. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contaminants.

AL: Action Level: The concentration level of a contaminant which, if exceeded, requires a water system to treat water or follow other requirements.

Action Level Goal (ALG): The level of contaminant in drinking water below which there is not known or expected risk to health. ALGs allow for a margin of safety.

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

AVG: Average – Regulatory compliance with some MCL's are based on running annual average of monthly samples.

RAA: Running Annual Average

LRAA: Locational Running Annual Average

MREM: millirems per year (a measure of radiation absorbed by the body).

Harris County Municipal Utility District No. 419 receives both ground water and surface water from the Harris County Municipal Utility District No. 418. Harris County Municipal Utility District No. 418 provides well water from the Evangeline Aquifer within Harris County and provides surface water from Lake Houston, also located within Harris County. The results for both Harris County Municipal Utility District No. 419 and Harris County Municipal Utility District No. 418 are listed in the tables. The results for Lead and Copper, Disinfectant Residuals, and Disinfection By-Products listed are for Harris County MUD No. 419 only since these samples are from within the District boundaries.

Regulated Inorganic Contaminants

YEAR	Contaminant (Unit of Measurement)	Highest Level Ground-water	Range of Detected Levels	Violation	MCL	MCLG	Source of Contaminant
2022 - 2024	Barium (ppm)	0.0624	0.0624	No	2	2	Erosion of natural deposits
2023 - 2024	Cyanide (ppb)	90	90	No	200	200	Discharge from plastic and fertilizer factories
2022 - 2024	Fluoride (ppm)	ND	ND	No	4	4	Erosion of natural deposits
2025	Nitrate-Nitrite (ppm)	0.32	0.32	No	10	10	Erosion of natural deposits
2025	Nitrate (ppm)	0.45	0.45	No	10	10	Erosion of natural deposits

Disinfection By-Products

YEAR	Contaminant (Unit of Measurement)	Highest Level Detected	Range of Detected Levels	Violation	MCL	MCLG	Source of Contaminant
2025	Total Trihalomethanes (TTHM) (ppb)	31.7	31 - 32	No	80	0	By-product of drinking water disinfection
2025	Total Haloacetic Acids (HAA5) (ppb)	35.1	30 - 35.1	No	60	0	By-product of drinking water disinfection

Synthetic Organic Contaminants

YEAR	Contaminant (Unit of Measurement)	Highest Level Detected	Range of Detected Levels	Violation	MCL	MCLG	Source of Contaminant
2025	Atrazine (ppb)	0.47	0.47	No	3	3	Runoff from herbicide used on row crops
2025	Simazine (ppb)	0.07	0.07	No	4	4	Herbicide runoff

Disinfection Residuals

YEAR	Contaminant (Unit of Measurement)	Highest Average Level Detected	Range of Detected Levels	Violation	MRDL	MRDLG	Source of Contaminant
2025	Chloramine (ppm)	2.8	1.16 - 3.5	No	4	4	Disinfectant used to control microbes

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)	1.11	0	No	15	0	Corrosion of household plumbing
2024	Copper (ppm)	0.0248	0	No	1.3	1.3	Corrosion of household plumbing

Additional Health Information for Lead Lead can cause serious health effects in people of all ages, especially pregnant people, infants (both formula-fed and breastfed), and young children. Lead in drinking water is primarily from materials and parts used in service lines and in home plumbing. HARRIS COUNTY MUD 419 is responsible for providing high quality drinking water and removing lead pipes but cannot control the variety of materials used in the plumbing in your home. Because lead levels may vary over time, lead exposure is possible even when your tap sampling results do not detect lead at one point in time. You can help protect yourself and your family by identifying and removing lead materials within your home plumbing and taking steps to reduce your family's risk. Using a filter, certified by an American National Standards Institute accredited certifier to reduce lead, is effective in reducing lead exposures. Follow the instructions provided with the filter to ensure the filter is used properly. Use only cold water for drinking, cooking, and making baby formula. Boiling water does not remove lead from water. Before using tap water for drinking, cooking, or making baby formula, flush your pipes for several minutes. You can do this by running your tap, taking a shower, doing laundry or a load of dishes. If you have a lead service line or galvanized requiring replacement service line, you may need to flush your pipes for a longer period. If you are concerned about lead in your water and wish to have your water tested, contact HARRIS COUNTY MUD 419 at 832-490-1635. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available at https://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.

Unregulated Contaminants*

Unregulated Contaminants	Collection Date	Your Water	Lowest Level Detected	Highest Level Detected	Units
Chlorodibromomethane	2025	1.9	1.9	1.9	ppb
Bromodichloromethane	2025	8.3	8.2	8.4	ppb
Chloroform	2025	21.3	21.1	21.6	ppb

YEAR	Contaminant (Unit of Measurement)	Average Level Detected	Range of Detected Levels	Health Based Reference
2025	PFBA (ug/L)**	0.0061	0.0061	< MRL
2025	PFHxA (ug/L)**	0.0041	0.0041	< MRL
2025	PFPeA (ug/L)**	0.0044	0.0044	< MRL

* Unregulated contaminants are those for which the EPA has not established drinking water standards. The purpose of unregulated contaminant monitoring is to assist the EPA in determining the occurrence of unregulated contaminants in drinking water and whether future regulation is warranted.

** This data is part of UCMR5 results in relation to minimum reporting levels and available non-regulatory health-based reference concentrations.