



WATER QUALITY REPORT 2024

ISSUED ON:

July 1, 2025

THE CITY OF
Edinburg

About This Report

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The City of Edinburg Utilities Department is pleased to present to you the annual Drinking Water Quality Report for 2024, also known as the Consumer Confidence Report (CCR). The U.S. Environmental Protection Agency and the Texas Commission on Environmental Quality (TCEQ) require that all water agencies produce an annual report on the previous year informing customers about the quality of their drinking water.

The City of Edinburg's annual Drinking Water Quality Report includes details about where your water comes from, what it contains, and how it compares to state standards. In 2024, as in years past, your tap water met all state and federal drinking water health standards (primary standards for treating and monitoring water). The City of Edinburg Utilities Department vigilantly safeguards water supplies and meets all water quality standards. This report is a snapshot of last year's water quality.

Please note that although some terms may be unfamiliar to you, we have provided definitions that may be helpful. If you need clarification please call the Water Plant at (956) 388-8220.

Edinburg Water Treatment Plants

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The City of Edinburg Water Treatment Plants provide and deliver safe, potable drinking water with reliable supply and adequate pressure. The City's Water Treatment and Distribution Systems have been recognized by the Texas Commission on Environmental Quality (TCEQ) with a rating of "Superior Public Water Supply." The City of Edinburg owns and operates two water treatment plants, both of which run 24 hours a day, 7 days a week, 365 days a year. The primary disinfectant used at both facilities is chlorine dioxide, and a combination of chlorine and ammonia is used to form chloramines for residual disinfection in the distribution system. In 2024, the combined average daily flow was 14.997 million gallons per day (MGD), with a peak flow of 17.384 MGD.



West Water Plant

The West Water Treatment Plant is located at 1752 S. Mon Mack Road. This plant's rated capacity is 16 million gallons per day (MGD) and is a solids-contact process unit with flow demand filters.



Downtown Water Plant

The Downtown Water Treatment Plant is located at 500 E. Mahl Street. This plant's rated capacity is 10 million gallons per day (MGD) and has conventional sedimentation process with rapid sand filters.

Water Sources

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The City of Edinburg's primary source of raw water is the Rio Grande River. The City owns and operates a raw water reservoir located at 3420 W. Freddy Gonzalez Drive, with a capacity to hold 210 million gallons or a 19 day supply.

In 2024 the City owned and/or had under contract a total of 14,933.24 acre feet of municipal water rights. Hidalgo County Irrigation District No. 1 supplied 10,847.67 acre feet of raw water along with 4,085.57 acre feet supplied by Hidalgo County Irrigation District No. 2.

The City of Edinburg also has a contract with McAllen Public Utilities (MPU) to supply a minimum of 55.24 acre feet of treated potable water. The usage is based on water demand placed on City's distribution system.



Public Participation Opportunities

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Join Us For Our Regularly Scheduled Meetings

It's important to keep a channel of communication between departments within the City of Edinburg and with our residents through regularly scheduled meetings. The Edinburg City Council meets every first and third Tuesday of the month, at 6:00 P.M., at 415 W. University Drive, Edinburg, Texas 78539. The purpose of the meetings is to conduct City business such as proclamations, awarding of bids and contracts, public hearings and public comments. Residents wishing to address the Council must complete a Public Comments Form provided prior to the start of the meeting. The completed form must then be submitted to the City Secretary. For more information on this process, please call the City Secretary's Department at (956) 388-8204.



Information About Your Drinking Water

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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.

Information (Continued)

All Drinking Water May Contain Contaminants

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 Edinburg Water Plant at (956)388-8220.

Special Notice

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.

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	12/22/2024	04/02/2025	We failed to adequately notify you, our drinking water consumers, about a violation of the drinking water regulations.

The table above has been added to inform the public that the violation linked to the 2023 occurrence has been resolved, and compliance was achieved on April 2, 2025.

Definitions & Abbreviations

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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 samples.

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 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 Contaminant Level Goal or MCLG: 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.

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.

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

Definitions & Abbreviations Cont.

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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)

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.

Water Quality Test Results

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Coliform Bacteria

Maximum Contaminant Level Goal	Total Coliform Maximum Contaminant Level	Highest No. of Positive	Fecal Coliform or E. Coli Maximum Contaminant Level	Total No. Of Positive E. Coli or Fecal Coliform Samples	Violation	Likely Source of Contamination
0	5% monthly samples	0	0%	0	No	Present in soil, water, human and animal digestive tract

Disinfectant Residual

Disinfectant Residual	Year	Average Level	Range of Levels Detected	MRDL	MRDLG	Units	Violation	Source in Drinking Water
Chloramines	2024	2.80	2.60-3.20	4.00	4.00	ppm	No	Water additive used to control microbes

Turbidity

Turbidity	Level Detected	Limit (Treatment Technique)	Violation	Source in Drinking Water
Highest Single Measurement	0.39 NTU	1 NTU	No	Soil runoff
Lowest Monthly % Meeting Limit	100%	0.30 NTU	No	Soil runoff

Information Statement: Turbidity is a measurement of the cloudiness of the water caused by suspended particles. We monitor it because it is a good indicator of water quality and the effectiveness of our filtration system and disinfectants.

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.

Water Quality Test Results Cont.

Disinfection By-Products	Collection Date	Highest Level Detected	Range of Individual Samples	MCLG	MCL	Units	Violation	Likely Source of Contamination
Chlorite	2024	0.636	0-0.636	0.8	1	ppm	No	By-product of drinking water disinfection
Haloacetic Acids (HAA5)	2024	24*	11.6-37.6	No goal for the total	60	ppb	No	By-product of drinking water disinfection
Total Trihalomethanes (TTHM)	2024	79*	18.9-122	No goal for the total	80	ppb	No	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

*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

Radioactive Contaminants	Collection Date	Highest Level Detected	Range of Individual Samples	MCLG	MCL	Units	Violation	Likely Source of Contamination
Beta/photon emitters	4/11/23	6.6	6.6-6.6	0	50	pCi/L*	No	Decay of natural and man-made deposits.
Uranium	4/11/23	2.5	2.5-2.5	0	30	ug/L	No	Erosion of natural deposits.

*EPA considers 50 pCi/L to be the level of concern for beta particles., sampled every 3 years as per TCEQ regulations, next due year 2026

Our water system has sampled for a series of unregulated contaminants. Unregulated contaminants are those that don't yet have a drinking water standard set by EPA. The purpose of monitoring for these contaminants is to help the EPA decide whether the contaminants should have a standard. As our customers, you have a right to know that these data are available. If you are interested in examining the results, please contact us at (956)388-8220.

Test Results Cont.

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Inorganic Contaminants	Collection Date	Highest Level Detected	Range of Individual Samples	MCLG	MCL	Units	Violation	Likely Source of Contamination
Arsenic	2024	0.002	0.002	0	0.01	mg/L	No	Erosion of natural deposits; runoff from orchards, runoff from glass and electronics production wastes.
Barium	2024	0.0964	0.0961-0.0964	2	2	ppb	No	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits.
Cyanide	2024	110	0-110	200	200	ppb	No	Discharge from plastic and fertilizer factories; Discharge from steel/metal factories.
Fluoride	2024	0.6	0.54-0.57	4	4.0	ppm	No	Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from fertilizer and aluminum factories.
Nitrate (measured as Nitrogen)	2024	0.14	0.06-0.14	10	10	ppm	No	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits.

Lead & Copper

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Lead and Copper	Date Sampled	MCLG	Action Level (AL)	90 th Percentile	No. of Sites Over AL	Units	Violation	Likely Source of Contamination
Copper	8/5/2022	1.3	1.3	0.1385	0	ppm	No	Erosion of natural deposits; Leaching from wood preservatives; Corrosion of household plumbing systems.
Lead	8/5/2022	0	15	1.7	0	ppb	No	Corrosion of household plumbing systems; Erosion of natural deposits.

*Lead and Copper sampled every 3 years as per TCEQ regulations, next due year 2025

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 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 at (800)426-4791 or at <http://www.epa.gov/safewater/lead>.

To address lead in drinking water, it is important for water systems to develop and maintain an inventory of service line materials. The Lead Service Line Inventory (LSLI) is an inventory of every service line in your distribution system, including both the utility owned and customer owned service lines. Each must be categorized as either lead, non-lead, galvanized requiring replacement, or lead status unknown. The service line inventory has been prepared and is available online. To access the service line inventory map follow the instructions on the following page.

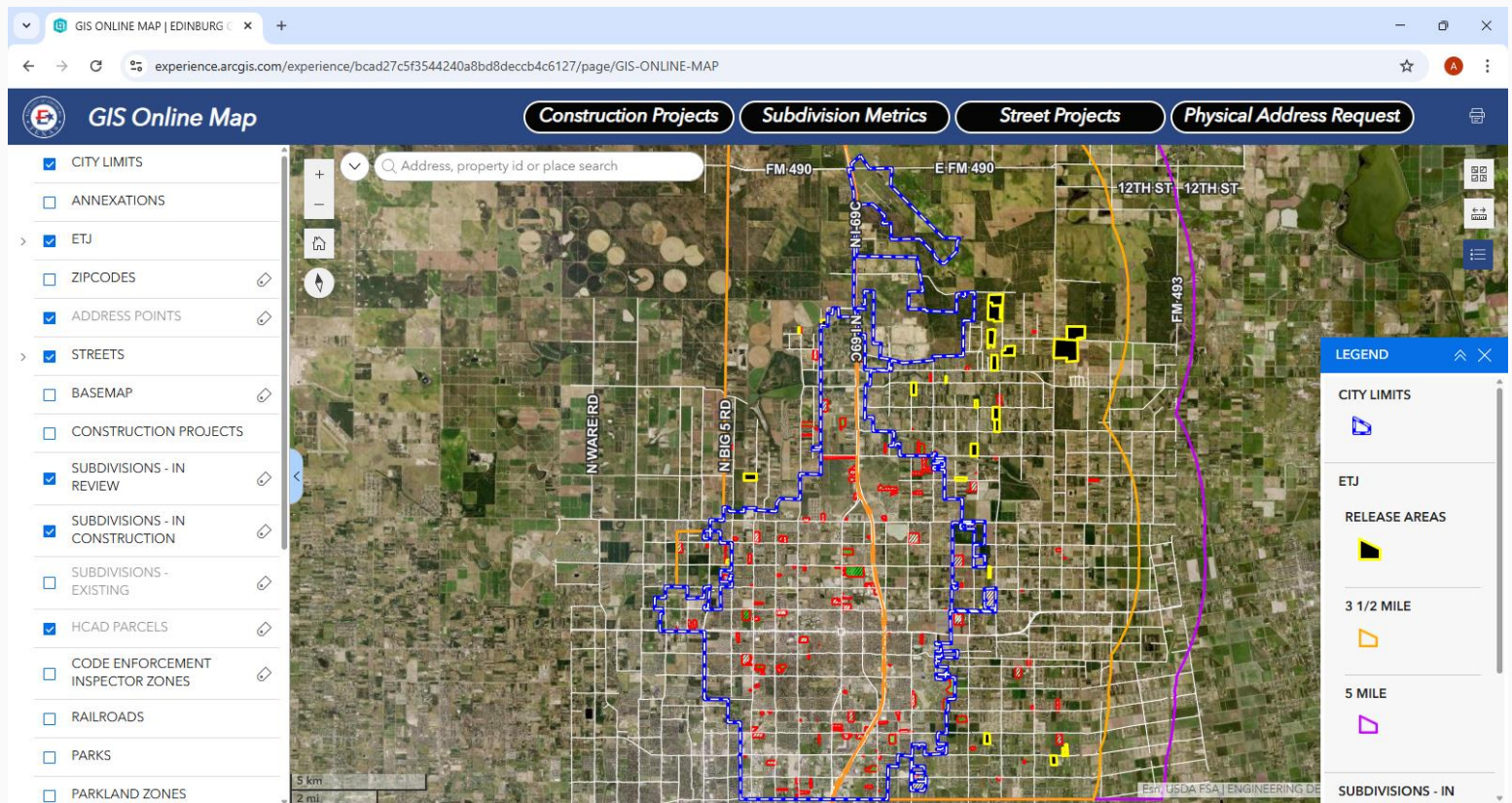
Instructions to Access Lead Service Line Inventory

Click the following link

<https://experience.arcgis.com/experience/bcad27c5f3544240a8bd8deccb4c6127/page/GIS-ONLINE-MAP>.

Or go to www.cityofedinburg.com, scroll down, click GIS Map and click "I AGREE"

Both methods take you to a webpage that looks like this:



Instructions to Access Lead Service Line Inventory Cont.

The left side of the webpage allows you to select or unselect map details. To view lead service line inventory scroll down and expand the water distribution system menu option. Select 'water distribution system' and 'lead service line inventory'.

Next, enter your address in the search bar. This will zoom in to display the address.

The map legend is located on the lower right corner of the webpage. Scroll down to view the legend for the lead service line inventory. For example, a large blue circle with a black line in the middle indicates a non-lead line. If you believe your service line has been incorrectly categorized, please contact us at (956)388-8220.

The screenshot displays the GIS Online Map interface. The left sidebar contains a list of map layers with checkboxes. The 'WATER DISTRIBUTION SYSTEM' is expanded, showing 'LEAD SERVICE LINE INVENTORY' and 'WATER VALVES - GPS FIELDWORK'. The 'LEAD SERVICE LINE INVENTORY' is checked. The search bar at the top contains the address '1752 S MON MACK RD'. The map shows a residential area with various service lines. The legend on the right is titled 'LEAD SERVICE LINE INVENTORY' and lists several categories with corresponding symbols: 'Lead | Lead', 'Lead | Galvanized', 'Galvanized Requiring Replacement', 'Lead | Non-Lead', 'Lead | Unknown', 'Galvanized Requiring Replacement | Lead', 'Galvanized Requiring Replacement | Galvanized', and 'Galvanized Requiring Replacement | Galvanized Requiring Replacement'.

Annotations on the screenshot include:

- A red arrow pointing to the search bar with the text: "Type in address & press enter".
- A red arrow pointing to the 'WATER DISTRIBUTION SYSTEM' and 'LEAD SERVICE LINE INVENTORY' checkboxes with the text: "Scroll down & select these two options".
- A red arrow pointing to the legend with the text: "Scroll down to view lead service line legend".

Contact Us

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HOURS OF OPERATION: MONDAY- FRIDAY 8:00 AM - 5:00 PM
FOR MORE INFORMATION CONTACT THE UTILITIES
ADMINISTRATION OFFICE AT (956) 388-8212

EMERGENCIES AFTER 5:00 PM AND ON WEEKENDS, PLEASE
CALL (956) 388-8220

Utilities / Billing

(956) 388-1896

- new account connections / disconnection
- question regarding water bill

Utilities / Water Plant

(956) 388-8220

- water quality (taste, odor, color & turbidity of water)

Utilities / Wastewater

(956) 292-2045

- sewer and odor complaints

Utilities / Systems

(956) 292-2109

- low water pressure
- water & sewer line locate request
- water leaks/breaks
- sewer back-ups
- no water complaint
- meter test