



# 2023 Annual Drinking Water Quality Report

TX1080088 - HIDALGO COUNTY MUD 1

Consumer Confidence Report (CCR)

Period of January 1 to December 31, 2023

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. 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. For more information regard this report contact our District Manager - **Jeremiah Martin at 956-585-5821**. Este informe contiene información muy importante sobre el agua potable. Para hablar con una persona bilingüe en español con preguntas o comentarios, favor de llamar a nuestra oficina.

## 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 the following web address <http://www.epa.gov/safewater/lead>

## INFORMATION ABOUT SOURCE WATER ASSESMENTS

A Source Water Susceptibility Assessment for your drinking water sources(s) is currently being updated by the Texas Commission on Environmental Quality. This information describes the susceptibility and types of constituents that may come into contact with your drinking water source based on human activities and natural conditions. The information contained in the assessment allows us to focus source water protection strategies. For more information about your sources of water, please refer to the Source Water Assessment Viewer available at the following URL: <http://www.tceq.texas.gov/gis/swaview>

Further details about sources and source water assessments are available in Drinking Water Watch at the following URL:

<http://dww.tceq.texas.gov/DWW/>  
HIDALGO COUNTY MUD 1 is surface water



The 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, contact Jeremiah Martin at 956-585-5821

Source Water Name	Type of Water	Report Status	Location
INTAKE 2 N OF SUBDIV / PLANT 2	SW	Active	2120 Hole In One Dr.

## 2023 Water Quality Test Results

Disinfection By-Products	Collection Date	Highest Level or Average Detected*	Range of Individual Samples	MCLG	MCL	Units	Violation	Likely source of contamination
Haloacetic Acids (HAA5)	2023	14	8.2 - 15.6	No goal for the total	60	ppb	No	By-product of drinking water disinfection.
Total Trihalomethanes (TTHM)	2023	14	7.5 - 16.8	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 and TTHM sample results collected at a location over a year.

Inorganic Contaminants	Collection Date	Highest Level or Average Detected	Range of Individual Samples	MCLG	MCL	Units	Violation	Likely source of contamination
Barium	2023	0.0915	0.0915 - 0.0915	2	2	ppm	No	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits.
Fluoride	2023	0.4	0.42 - 0.42	4	4	ppm	No	Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from fertilizer and aluminum factories.
Nitrate**	2023	0.05	0.05 - 0.05	10	10	ppm	No	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits.

Radioactive Contaminants***	Collection Date	Highest Level Detected	Range of Individual Samples	MCLG	MCL	Units	Violation	Likely source of contamination
Beta/photon emitters	07/26/2022	6.9	6.9 - 6.9	0	50	pCi/L	No	Decay of natural and man-made deposits.

Disinfectant Residual	Year	Average Level	Range of Levels Detected	MRDL	MRDLG	Unit of measure	Violation	Source of Drinking Water
Chloramine	2023	2.5	1.1 - 3.9	4	4	ppm	No	Water additive used to control microbes

Turbidity	Level detected	Limit (Treatment Technique)	Violation	Likely source of contamination
Highest single measurement	0.93 NTU	1 NTU	No	Soil runoff.
Lowest monthly % meeting limit	97%	0.3 NTU	No	Soil runoff.

### Lead and Copper

	Date Sampled	MCLG	Action Level (AL)	90th Percentile	# Sites Over AL	Units	Violation	Likely source of contamination
Copper	2023	1.3	1.3	0.347	1	ppm	No	Erosion of natural deposits; Leaching from wood preservatives; Corrosion of household plumbing systems.
Lead	2023	0	15	1.11	0	ppb	No	Corrosion of household plumbing systems; Erosion of natural deposits.

### 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.

### Definitions and Abbreviations

**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.

**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.

**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.

**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

**MFL** - Million fibers per liter (a measure of asbestos)

\*\*Measured as Nitrogen

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

**Avg** - Regulatory compliance with some MCLs are based on running annual average of monthly samples

**ppm** - milligrams per liter or parts per million - or one ounce in 7,350 gallons of water.

**ppb** - micrograms per liter or parts per billion - 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 picograms per liter (pg/L)

**MFL** - million fibers per liter (a measure of asbestos)

**NTU** - nephelometric turbidity units (a measure of turbidity)

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

**ALG** - Action Level Goal - The level of a contaminant in drinking water below which there is no known or expected risk to health. ALGs allow for a margin of safety

**AL** - Action Level - The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow

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. The TCEQ completed an assessment of your source water and results indicate that some of your sources are susceptible to certain contaminants. The sampling requirements for your water system are based on this susceptibility and previous sample data. Any detections of these contaminants may be found in the Consumer Confidence Report. For more information on source water assessments and protection efforts at our system, contact Jeremiah Martin. The information about likely sources of contamination provided in the CCR is generic. Specific information regarding contaminants may be available in sanitary surveys and source water assessments and should be used when available to the system. 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.

## **Mandatory Language for Monitoring and Reporting Violation SURFACE WATER MONITORING, ROUTINE MAJOR**

The **Hidalgo MUD #1**, PWS ID **TX1080088**, has violated the monitoring and reporting requirements set by Texas Commission on Environmental Quality (TCEQ) in Title 30, Texas Administrative Code (30 TAC), Section 290, Subchapter F. Public water systems that treat surface water and/or ground water under the direct influence of surface water are required to submit monthly operating reports with operational data of the treatment, disinfection and quality of the water provided to their customers.

We failed to monitor and/or report the following constituents:

flows, turbidity, filter turbidity, chloramine residuals, and contact time

This/These violation(s) occurred in the monitoring period(s):

February and March

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

### **We are taking the following actions to address this issue:**

The data was collected and stored on a computer, during a power surge all data was lost and was not properly backup. The loss in data meant the district couldn't not properly complete and submit the monthly reports as required. The district has implemented new backup procedures to ensure data is more securely backup and stored in the future.

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 Jeremiah Martin at 956-585-5821

Posted /Delivered on:

May 30, 2024