



ANNUAL WATER QUALITY REPORT

Our Commitment

We are pleased to present to you this year's annual water quality report. This report is a snapshot of last year's water quality covering all testing performed between January 1 and December 31, 2024. Included are details about your source of water, what it contains, and how it compares to standards set by regulatory agencies. Our constant goal is to provide you with a safe and dependable supply of drinking water. We want you to understand the efforts we make to continually improve the water treatment process and protect our water resources. We are committed to ensuring the quality of your water and providing you with this information because informed customers are our best allies.

Where Does My Water Come From?

The City of Mission water system consists of two water treatment plants: the South Water Treatment Plant, capable of producing 8.0 million gallons per day, and the North Water Treatment Plant, with a capacity of 17.5 million gallons per day. Our raw water source is the Rio Grande. Raw water is delivered from the river to the reservoirs via irrigation canals. Combined, our water treatment facilities can treat and purify 25.5 million gallons per day of clean drinking water.

Important Health Information

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 healthcare 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.



Source Water Assessment

The Texas Commission on Environmental Quality (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 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 at our system, contact Mr. J. P. Terrazas, Assistant City Manager, at (956) 580-8780.

SOURCE WATER NAME	TYPE OF WATER REPORT	STATUS	LOCATION	SUSCEPTIBILITY
Mission City Reservoir SW		Active	4th Street and 514 Perkins Ave.	High
North Plant Reservoir SW		Active	2801 N. Holland Ave.	High

City of Mission
2801 N. Holland Ave.
Mission, TX 78574
PWS ID#: TX108008
Presented By
City of Mission
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TX000176

Este informe incluye información importante sobre el agua potable. Si tiene preguntas o comentarios sobre este informe en español, favor de llamar al tel. (956) 580-8780 para hablar con una persona bilingüe en español.

Contaminantes 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. Contaminants may be the result of oil and gas production activities, radioactive Contaminants, which can be naturally occurring or may be the result of oil and gas production systems; and mining activities.

Organic Chemical Contaminants, including synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum production and which may also come from gas stations, urban stormwater runoff, and septic systems;

Pesticides and Herbicides, which may come from a variety of sources such as agriculture, mining, or farming;

Organic Contaminants, such as salts and metals, which can be naturally occurring or may result from urban stormwater runoff, agricultural runoff, industrial wastewater systems, agricultural runoff, treated wastewater systems, or wildlife;

Microbial Contaminants, such as viruses and bacteria, which may come from sewage treatment plants, septic systems, agricultural runoff, treated wastewater systems, or wildlife;

Radionuclides and Radioactive Contaminants, which may come from natural sources such as agriculture, mining, or farming;

Inorganic Contaminants, including salts and metals, which may come from human activity. Substances that may be

present in source water include:

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 can acquire

substances or minerals that may be harmful to health. Drinking water, including bottled water, may reasonably be

expected to contain at least small amounts of some

contaminants. The presence of these contaminants does

not necessarily indicate that the water poses a health risk.

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How Is My Water Treated and Purified?

The treatment process consists of a series of steps. First, raw water is drawn from our water source and sent to the reservoir where copper sulfate (for algae control) is added. Gravity causes the raw water to flow to the raw water pump intake, where we add powdered activated carbon (for taste and odor control). Then the water is pumped to the water treatment plant, where it goes to a rapid mixer, and aluminum sulfate and polymer are added. Chlorine dioxide is added for disinfection. The addition of these substances causes small particles called floc to adhere to one another, making them heavy enough to settle into a basin, from which sediment is removed. At this point, the water is filtered through layers of anthracite coal and sand. As smaller suspended particles are removed, turbidity disappears and clear water emerges. Chlorine and ammonium sulfate are added as a precaution against any bacteria that may still be present. (We carefully monitor the amount of chlorine added, adding the smallest quantity necessary to protect the safety of your water without compromising aesthetics). Finally, polyphosphate, a corrosion inhibitor (to protect distribution system pipes), is added before the water is pumped to sanitized underground reservoirs and water towers and into your home or business.

Substances That Could Be in Water

Community Participation

You are encouraged to participate in community events. Please visit the City of Mission website at <https://missiontexas.us/news-events/> for more information.

Water Conservation and Drought Contingency Plan

The City of Mission has implemented a Water Conservation and Drought Contingency Plan (WCDCP) to manage and provide an adequate water supply to meet the future needs of our customers. The purpose of this plan is to establish procedures to identify, classify, and manage an effective and efficient water supply during high water demand or water shortage emergency. Excessive demand on the water treatment plants or continually falling treated-water reservoir levels, which do not refill overnight to a specific level, will trigger four stages of the water conservation plan. These stages range from Stage 1 (voluntary) to Stage 5 (water rationing).

Utility customers in Stage 2 under our WCDCP are to limit their daily water usage by using good management practices for water conservation. Utility customers will be notified before any stage level change, at which time they must follow the prescribed conservation behaviors for the stage. Customers may incur a surcharge for noncompliance during a stage or over the customer's water usage history, whichever is in violation. Fines that may exceed \$200 may be imposed for violations of Stages 3, 4, or 5 of the water conservation plan and, depending on the severity of the violation, the customer's water service may be terminated.

Water Loss Audit

In the water loss audit submitted to the Texas Water Development Board during the year covered by this report, our system lost an estimated 11.46 percent of our water. If you have any questions about the water loss audit, please call (956) 580-8780.

QUESTIONS?

For more information about this report, or for any questions relating to your drinking water, please call J. P. Terrazas, Assistant City Manager, at (956) 580-8780.

