



*Your
Place for
Life.*

Annual Drinking Water Quality Report TX0790025

Annual Water Quality Report for the period of January 1 to December 31, 2024. 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. Este reporte incluye informacion sobre el agua para tomar. Para asistencia en espanol, favor de llamar al telefono (281) 983-2961. The City of Meadows Place produces and distributes Ground Water. For more information about this report contact: Roderick Hainey, Public Works Director (281) 983-2961.

Sources of 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 www.epa.gov/safewater/lead.

Information about Source Water Assessments

The Texas Commission on Environmental Quality (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 this Consumer Confident Report. For more information on source water assessments and protection efforts at our system, contact Roderick Hainey, Public Works Director (281) 983-2961.

For more information about your sources of water, please refer to the Source Water Assessment Viewer available at the following URL:
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://dww2.tceq.texas.gov/DWW/>

Water Sources: Chicot Aquifer from Water Wells located within the City of Meadows Place, Texas.

Water Source Name	Location	Type of Water
1. Meadows Place Water Plant No.1	11803 S Kirkwood Rd	Ground Water
2. Meadows Place Water Plant No.2	12335 Dorrance Ln	Ground Water
3. Meadows Place Water Plant No.3	11975 W Airport Blvd	Ground Water

System Susceptibility Summary

Asbestos – Medium	Synthetic Organic Chemicals – High
Cyanide – Low	Disinfection Byproducts – Low
Metals – High	Volatile Organic Chemicals – Medium
Microbial – High	Drinking Water Contaminate Candidate – High
Minerals – High	Other – Medium
Radiochemical – Low	

Do I need to take any special precautions?

Some people may be more vulnerable to contaminants in drinking water than the general population. Immunocompromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. EPA/CDC guidelines on appropriate means to lessen the risk of infection by *Cryptosporidium* and other microbial contaminants are available from the Safe Drinking Water Hotline (800-426-4791).

2024 Consumer Confidence Report for Public Water System CITY OF MEADOWS PLACE

This is your water quality report for January 1 to December 31, 2024.

CITY OF MEADOWS PLACE provides ground water from Chicot Aquifer, three wells in Meadows Place.

For more information regarding this report contact:

Name: Roderick Hainey

Phone: (281) 983-2961

Este reporte incluye información importante sobre el agua para tomar. Para asistencia en español, favor de llamar al telefono (281) 983-2961.

Definitions and Abbreviations

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The following tables contain scientific terms and measures, some of which may require explanation.

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.

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.

Information About Your Drinking Water

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Lead & Copper	Date Sampled	MCLG	Action Level (AL)	90 th Percentile	# Sites Over AL	Units	Violation	Likely Source of Contamination
Copper	9/30/2022	1.3	1.3	0.124	0	ppm	N	Erosion of natural deposits; Leaching from wood preservations; Corrosion of household plumbing systems.
Lead	9/30/2022	0	15	2.5	0	ppb	N	Corrosion of household plumbing systems; Erosion of natural deposits.

2024 Water Quality Test Results

Inorganic Contaminants	Collection Date	Highest Level Detected	Range of Individual Samples	MCLG	MCL	Units	Violation	Likely Source of Contamination
Arsenic	09/05/2023	4.1	4.1 – 4.1	0	10	ppb	N	Erosion of natural deposits; Runoff from orchards; Runoff from glass and electronics production wastes.
Barium	09/05/2023	0.188	0.188 – 0.188	2	2	ppm	N	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits.
Fluoride	09/05/2023	0.21	0.21 – 0.21	4	4.0	ppm	N	Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from fertilizer and aluminum factories.
Nitrate [measured as Nitrogen]	2024	0.3	0.14 – 0.3	10	10	ppm	N	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits.
Selenium	2024	10	9.6 – 15.5	50	50	ppb	N	Discharge from petroleum and metal refineries; Erosion of natural deposits; Discharge from mines.

Radioactive Contaminants	Collection Date	Highest Level Detected	Range of Individual Samples	MCLG	MCL	Units	Violation	Likely Source of Contamination
Beta/photon emitters	09/05/2023	5.3	5.3 – 5.3	0	50	pCi/L *	N	Decay of natural and man-made deposits.

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

Combined Radium 226/228	09/05/2023	1.15	1.15 – 1.15	0	5	pCi/L	N	Erosion of natural deposits.
Gross alpha excluding radon and uranium	09/05/2023	2	2 – 2	0	15	pCi/L	N	Erosion of natural deposits.

Uranium	09/05/2023	7.8	7.8 – 7.8	0	30	ug/l	N	Erosion of natural deposits.
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Disinfectant Residual	Year	Average Level	Range of Levels Detected	MRDL	MRDLG	Unit of Measure	Violation (Y/N)	Likely Source of Contamination
Chlorine (Free)	2024	1.25	0.00 – 1.92	4	4	ppm	Y	Water additive used to control microbes.

Unregulated Contaminant	UCMR Minimum Reporting Level (MRL, µg/L)	Non-Regulatory Health-Based Ref Conc (µg/L)	Total Results	Results ≥ MRL	Results > Health-Based Ref Conc	Percent of Results > Health-Based Ref Conc	Total PWSs with Results	PWSs with Results ≥ MRL	PWSs with Results > Health-Based Ref Conc	Percent of Large PWSs with Results > Health-Based Ref Conc	Percent of Small PWSs with Results > Health-Based Ref Conc
Lithium	9	10	61,330	17,333	11,983	19.5%	10,274	3,721	2,700	24.0%	28.0%

We have developed a service line inventory. To access the inventory, please visit <https://cityofmeadowsplace.org/departments/public-works/annual-drinking-water-reports/> or City of Meadows Place City Hall, One Trojan Drive, Meadows Place, Texas 77477, and/or contact Roderick Hailey, Public Works Director at (281) 983-2961 or at publicworks@cityofmeadowsplace.org.