

Period January 1 to December 31, 2024

OUR DRINKING WATER IS REGULATED:

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. If you have questions about this report or concerning your water utility, please contact Nanci Essary, General Manager, by calling 972-932-3077. Este reporte incluye informacion importante sobre el agua para tomar. Para asistencia en español, favor de llamar al telefono (972) 932-3077.

WATER CONSERVATION:

In the water loss audit submitted to the Texas Water Development Board for the period January 1 – December 31, 2020, our estimated water loss is 5.65%.

WHERE WE GET OUR DRINKING WATER:

ROSE HILL SUD purchases treated surface water from North Texas Municipal Water District. NTMWD receives raw water from Lake Lavon and Lake Tawakoni for treatment at the Wylie WTP and Tawakoni WTP. For detailed information on our water sources, treatment process and more, please visit NTMWD's website at www.ntmwd.com.

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 PARTICIPATION OPPORTUNITIES:

Rose Hill SUD Board of Directors holds a public meeting every 4th Tuesday of each month at 1377 CR 274, Terrell, TX 75160 beginning at 6pm. To learn about future public meetings (regarding your drinking water), please visit our website at www.rhsud.com or call us at 972-932-3077.

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 EPAs 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.

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 http://www.epa.gov/safewater/lead.

INFORMATION ABOUT SOURCE WATER:

ROSE HILL SUD purchases water from NORTH TEXAS MUNICIPAL WATER DISTRICT'S WYLIE and TAWAKONI WATER TREATMENT PLANTS. NORTH TEXAS MWD's WYLIE WTP provides purchase surface water from Lake Lavon located in Collin County. NORTH TEXAS MWD's TAWAKONI WTP provides purchase surface water from Lake Tawakoni located in Hunt and Rains County.

TCEQ completed a Source Water Susceptibility for all drinking water systems that own their sources. This report describes the susceptibility and types of constituents that may come into contact with the drinking water source based on human activities and natural conditions. The system(s) from which we purchase our water received the assessment report. For more information on source water assessments and protection efforts at our system contact Nanci Essary at 972-932-3077.

Lead and Copper	Date Sampled	MCLG	Action Level (AL)	90th Percentile	# Sites Over AL	Units	Violation	Likely Source of Contamination
Copper	2022	1.3	1.3	0.46	0	ppm	N	Erosion of natural deposits; Leaching from wood preservatives; Corrosion of household plumbing systems.
Lead	2022	0	15	1.02	0	ppb		Corrosion of household plumbing systems; Erosion of natural deposits.

*Rose Hill SUD has completed its service line inventory and determined that no lead, galvanized requiring replacement, or lead status unknown service lines are in the system. To view and access the service line inventory, go to https://rhsud.com/lead-service-line-inventory

2024 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)	2024	23	7.6 - 27.7	No goal for the total	60	ppb		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

Total	2024	40	25.1 – 52.5	No goal for	80	ppb	N	By-product of drinking water
Trihalomethanes				the total				disinfection.
(TTHM)								

* 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

Inorganic Contaminants	Collection Date	Highest Level or Average Detected	Range of Individual Samples	MCLG	MCL	Units	Violation	Likely Source of Contamination
Nitrate [measured as Nitrogen]	2024	0.131	0.131 - 0.131	10	10	ppm	N	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits.

Disinfectant Residual	Year	Average Level	Range of Levels Detected	MRDL	MRDLG	Unit of Measure	Violation (Y/N)	Source in Drinking Water
Chloramines	2024	2.56	0.64 - 3.63	4	4	ppm	Ν	Water additive used to control microbes.

DEFINITIONS and ABBREVIATIONS:

- 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 (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 (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 (MRDL): 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.
- Maximum Residual Disinfectant Level Goal (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 (measure of radioactivity)
- ppb: parts per billion, or micrograms per liter (μg/l) or one ounce in 7,350,000 gallons of water
- ppm: parts per million, or milligrams per liter (mg/L) or one ounce in 7,350 gallons of water
- ppq: parts per quadrillion, or picograms per liter (pg/L)
- ppt: parts per trillion, or nanograms per liter (ng/L)
- TT: Treatment Technique, a required process intended to reduce the level of a contaminant in drinking water

NTMWD Wylie Water Treatment Plants Water Quality Data for Year 2024

Rose Hill SUD data included in red.

			Col	iform Bacte	eria			
Maximum Contaminant Level Goal 0	Contan 1 positive	form Maximum ninant Level monthly sample	Highest No. of Positive	Fecal Coliform or E. Coli Maximum Contaminant Level 0	Pos E. Coli Col Sar	Total No. of Positive E. Coli or Fecal Coliform Samples 0 n the environment and		Likely Source of Contamination
potentially harmful bacteria ma		collorm bacteria. Co	niforms are bacteria that are n	aturally present i	in the env	ironment ar	id are used as	an indicator that other,
			Regula	ted Contan	ninants	;		
Disinfection By-Products	Collection Date	Highest Level or Average Detected	Range of Levels Detected	MCLG	MCL	Units	Violation	Likely Source of Contamination
Total Haloacetic Acids (HAA5)	2024	23	7.60 - 27.7	No goal for the total	60	ppb	No	By-product of drinking water disinfection.
Total Trihalomethanes (TTHM)	2024	40	25.1 - 52.5	No goal for the total	80	ppb	No	By-product of drinking water disinfection.
Bromate	2024	Levels lower than detect level	0 - 0	5	10	ppb	No	By-product of drinking water ozonation.
NOTE: Not all sample results sampling should occur in the fit								
Inorganic Contaminants	Collection Date	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Units	Violation	Likely Source of Contamination
Antimony	2024	Levels lower than detect level	0 - 0	6	6	ppb	No	Discharge from petroleum refineries; fire retardants; ceramics; electronics; solder; and test addition.
Arsenic	2024	Levels lower than detect level	0 - 0	0	10	ppb	No	Erosion of natural deposits; runoff from orchards; runoff from glass and electronics production wastes.
Barium	2024	0.06	0.04 - 0.06	2	2	ppm	No	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits.
Beryllium	2024	Levels lower than detect level	0 - 0	4	4	ppb	No	Discharge from metal refineries and coal-burning factories; discharge from electrical, aerospace, and defense industries.
Cadmium	2024	Levels lower than detect level	0 - 0	5	5	ppb	No	Corrosion of galvanized pipes; erosion of natural deposits; discharge from metal refineries; runoff from waste batteries and paints.
Chromium	2024	1.3	1.3 - 1.3	100	100	ppb	No	Discharge from steel and pulp mills; erosion of natural deposits.
Cyanide	2024	128	28.5 - 128	0 - 0	200	ppb	No	Discharge from steel/metal factories; Discharge from plastics and fertilizer factories.
Fluoride	2024	0.712	0.316 - 0.712	4	4	ppm	No	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories.
Mercury	2024	Levels lower than detect level	0 - 0	2	2	ppb	No	Erosion of natural deposits; discharge from refineries and factories; runoff from landfills; runoff from cropland.
Nitrate (measured as Nitrogen)	2024	0.926	0.0592 - 0.926	10	10	ppm	No	Runoff from fertilizer use; leaching from septic tanks; sewage; erosion of natural deposits.
Selenium	2024	Levels lower than detect level	0 - 0	50	50	ppb	No	Discharge from petroleum and metal refineries; erosion of natural deposits; discharge from mines.
Thallium	2024	Levels lower than detect level	0 - 0	0.5	2	ppb	No	Discharge from electronics, glass, and leaching from ore- processing sites; drug factories.
Nitrate Advisory: Nitrate in dri baby syndrome. Nitrate levels care provider.								ing water can cause blue ould ask advice from your health
Radioactive Contaminants	Collection Date	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Units	Violation	Likely Source of Contamination
Beta/photon emitters	2024	5.3	5.3 - 5.3	0	50	pCi/L	No	Decay of natural and man-made deposits.
Gross alpha excluding radon and uranium	2024	Levels lower than detect level	0 - 0	0	15	pCi/L	No	Erosion of natural deposits.
Radium	2024	Levels lower than detect level	0 - 0	0	5	pCi/L	No	Erosion of natural deposits.

NTMWD Wylie Water Treatment Plants Water Quality Data for Year 2024 (Cont.)

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Synthetic organic contaminants including pesticides and herbicides	Collection Date	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Units	Violation	Likely Source of Contamination
2, 4, 5 - TP (Silvex)	2022	Levels lower than detect level	0 - 0	50	50	ppb	No	Residue of banned herbicide.
2, 4 - D	2022	Levels lower than detect level	0 - 0	70	70	ppb	No	Runoff from herbicide used on row crops.
Alachlor	2024	Levels lower than detect level	0 - 0	0	2	ppb	No	Runoff from herbicide used on row crops.
Aldicarb	2022	Levels lower than detect level	0 - 0	1	3	ppb	No	Runoff from agricultural pesticide.
Aldicarb Sulfone	2022	Levels lower than detect level	0 - 0	1	2	ppb	No	Runoff from agricultural pesticide.
Aldicarb Sulfoxide	2022	Levels lower than detect level	0 - 0	1	4	ppb	No	Runoff from agricultural pesticide.
Atrazine	2024	0.1	0.1 - 0.1	3	3	ppb	No	Runoff from herbicide used on row crops.
Benzo (a) pyrene	2024	Levels lower than detect level	0 - 0	0	200	ppt	No	Leaching from linings of water storage tanks and distribution lines.
Carbofuran	2022	Levels lower than detect level	0 - 0	40	40	ppb	No	Leaching of soil fumigant used on rice and alfalfa.
Chlordane	2022	Levels lower than detect level	0 - 0	0	2	ppb	No	Residue of banned termiticide.
Dalapon	2022	Levels lower than detect level	0 - 0	200	200	ppb	No	Runoff from herbicide used on rights of way.
Di (2-ethylhexyl) adipate	2024	Levels lower than detect level	0 - 0	400	400	ppb	No	Discharge from chemical factories.
Di (2-ethylhexyl) phthalate	2024	Levels lower than detect level	0 - 0	0	6	ppb	No	Discharge from rubber and chemical factories.
Dibromochloropropane (DBCP)	2022	Levels lower than detect level	0 - 0	0	200	ppt	No	Runoff / leaching from soil fumigant used on soybeans, cotton, pineapples, and orchards.
Dinoseb	2022	Levels lower than detect level	0 - 0	7	7	ppb	No	Runoff from herbicide used on soybeans and vegetables.
Endrin	2024	Levels lower than detect level	0 - 0	2	2	ppb	No	Residue of banned insecticide.
Ethylene dibromide	2022	Levels lower than detect level	0 - 0	0	50	ppt	No	Discharge from petroleium refineries.
Heptachlor	2024	Levels lower than detect level	0 - 0	0	400	ppt	No	Residue of banned termiticide.
Heptachlor epoxide	2024	Levels lower than detect level	0 - 0	0	200	ppt	No	Breakdown of heptachlor.
Hexachlorobenzene	2024	Levels lower than detect level	0 - 0	0	1	ppb	No	Discharge from metal refineries and agricultural chemical factories.
Hexachlorocyclopentadiene	2024	Levels lower than detect level	0 - 0	50	50	ppb	No	Discharge from chemical factories.
Lindane	2024	Levels lower than detect level	0 - 0	200	200	ppt	No	Runoff / leaching from insecticide used on cattle, lumber, and gardens.
Methoxychlor	2024	Levels lower than detect level	0 - 0	40	40	ppb	No	Runoff / leaching from insecticide used on fruits, vegetables, alfalfa, and livestock.
Oxamyl [Vydate]	2022	Levels lower than detect level	0 - 0	200	200	ppb	No	Runoff / leaching from insecticide used on apples, potatoes, and tomatoes.
Pentachlorophenol	2022	Levels lower than detect level	0 - 0	0	1	ppb	No	Discharge from wood preserving factories.
Picloram	2022	Levels lower than detect level	0 - 0	500	500	ppb	No	Herbicide runoff.
Simazine	2024	0.071	0.071 - 0.071	4	4	ppb	No	Herbicide runoff.
Toxaphene	2024	Levels lower than detect level	0 - 0	0	3	ppb	No	Runoff / leaching from insecticide used on cotton and cattle.
Volatile Organic Contaminants	Collection Date	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Units	Violation	Likely Source of Contamination
1, 1, 1 - Trichloroethane	2024	Levels lower than detect level	0 - 0	200	200	ppb	No	Discharge from metal degreasing sites and other factories.
1, 1, 2 - Trichloroethane	2024	Levels lower than detect level	0 - 0	3	5	ppb	No	Discharge from industrial chemical factories.
1, 1 - Dichloroethylene	2024	Levels lower than detect level	0 - 0	7	7	ppb	No	Discharge from industrial chemical factories.
1, 2, 4 - Trichlorobenzene	2024	Levels lower than detect level	0 - 0	70	70	ppb	No	Discharge from textile-finishing factories.
1, 2 - Dichloroethane	2024	Levels lower than detect level	0 - 0	0	5	ppb	No	Discharge from industrial chemical factories.
1, 2 - Dichloropropane	2024	Levels lower than detect level	0 - 0	0	5	ppb	No	Discharge from industrial chemical factories.
Benzene	2024	Levels lower than detect level	0 - 0	0	5	ppb	No	Discharge from factories; leaching from gas storage tanks and landfills.
Carbon Tetrachloride	2024	Levels lower than detect level	0 - 0	0	5	ppb	No	Discharge from chemical plants and other industrial activities.
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Volatile Organic Contaminants	Collection Date	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Units	Violation	Likely Source of Contamination			
Chlorobenzene	2024	Levels lower than detect level	0 - 0	100	100	ppb	No	Discharge from chemical and agricultural chemical factories.			
Dichloromethane	2024	Levels lower than detect level	0 - 0	0	5	ppb	No	Discharge from pharmaceutical and chemical factories.			
Ethylbenzene	2024	Levels lower than detect level	0 - 0	0	700	ppb	No	Discharge from petroleum refineries.			
Styrene	2024	Levels lower than detect level	0 - 0	100	100	ppb	No	Discharge from rubber and plastic factories; leaching from landfills.			
Tetrachloroethylene	2024	Levels lower than detect level	0 - 0	0	5	ppb	No	Discharge from factories and dry cleaners.			
Toluene	2024	Levels lower than detect level	0 - 0	1	1	ppm	No	Discharge from petroleum factories.			
Trichloroethylene	2024	Levels lower than detect level	0 - 0	0	5	ppb	No	Discharge from metal degreasing sites and other factories.			
Vinyl Chloride	2024	Levels lower than detect level	0 - 0	0	2	ppb	No	Leaching from PVC piping; discharge from plastics factories.			
Xylenes	2024	Levels lower than detect level	0 - 0	10	10	ppm	No	Discharge from petroleum factories; discharge from chemical factories.			
cis - 1, 2 - Dichloroethylene	2024	Levels lower than detect level	0 - 0	70	70	ppb	No	Discharge from industrial chemical factories.			
o - Dichlorobenzene	2024	Levels lower than detect level	0 - 0	600	600	ppb	No	Discharge from industrial chemical factories.			
p - Dichlorobenzene	2024	Levels lower than detect level	0 - 0	75	75	ppb	No	Discharge from industrial chemical factories.			
trans - 1, 2 - Dicholoroethylene											
Turbidity											
			Limit (Treatment Tech	niquo)		Detected	Violation	Likely Source of Contamination			
Highest single measureme	ent		1 NTU	inque)		.93	No	Soil runoff.			
Lowest monthly percentage		g limit	0.3 NTU		-	.7%	No	Soil runoff.			
	NOTE: 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.										
Maximum Residual Disinfectant Level											

NTMWD Wylie Water Treatment Plants Water Quality Data for Year 2024 (Cont.)

Disinfectant Type	Year	Average Level of Quarterly Data	Lowest Result of Single Sample	Highest Result of Single Sample	MRDL	MRDLG	Units	Source of Chemical	
Chlorine Residual (Chloramines)	2024	2.56	0.64	3.63	4.00	<4.0	ppm	Disinfectant used to control microbes.	
Chlorine Dioxide	2024	0.027	0	0.82	0.80	0.80	ppm	Disinfectant.	
Chlorite	2024	0.187	0	0.95	1.00	N/A	ppm	Disinfectant.	
Chlorite 2024 0.187 0 0.95 1.00 N/A ppm Disinfectant. OTE: Water providers are required to maintain a minimum chlorine disinfection residual level of 0.5 parts per million (ppm) for systems disinfecting with chloramines and an annua errage chlorine disinfection residual level of between 0.5 ppm and 4 ppm.									

Total Organic Carbon

The percentage of Total Organic Carbon (TOC) removal was measured each month and the system met all TOC removal requirements set.

		Cryptos	poridium and Giar	dia						
Contaminants	Collection Date	Highest Level Detected	Range of Levels Detected	Units	Likely Source of Contamination					
Cryptosporidium 2024 Levels lower than detect level 0 - 0 (Oo) Cysts/L Human and animal fecal waste. Naturally present in the environment.										
Giardia 2024 Levels lower than detect level 0 - 0 (Oo) Cysts/L Human and animal fecal waste. Naturally present in the environment.										
NOTE: Levels detected are fo	TE: Levels detected are for source water, not for drinking water. No cryptosporidium or giardia were found in drinking water.									

NTMWD Wylie Water Treatment Plants Water Quality Data for Year 2024 (Cont.)

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Lead 2022 15 1.02 0 pp No Compared Accessible of Accessi												
Losa Aux2 10 1.04 0 pp No Responsive Copper 2022 1.30 0.46 0 pp No Evenosite No Eventosite Eventosite No Eventosite Evento		-				Units		•				
Cupper Cold Perm <	Lead	2022	15	1.02	0	ppb	No					
Constraint Constraint <td>Copper</td> <td>2022</td> <td>1.30</td> <td>0.46</td> <td>0</td> <td>ppm</td> <td>No</td> <td>Erosion of natural deposits; leaching from wood preservatives; corrosion of household plumbing systems.</td>	Copper	2022	1.30	0.46	0	ppm	No	Erosion of natural deposits; leaching from wood preservatives; corrosion of household plumbing systems.				
ADDITIONAL HEAL TIN HOROKANDIN FOR LEAD. If propertin, develoal develoal of and course assiculus health problems, especially for programmer and young children. Lead in divergence and properting associated with service lasses and home putnering. Second Hier Jose associated for properting with the law in water based with service lasses and home putnering. Second Hier Jose associated you water based with service lasses and home putnering. Second Hier Jose associated you water based with service lasses and home putnering. Second Hier Jose associated you water based with service lasses and home putnering. Second Hier Jose associated you water based with service lasses and home putnering. Second Hier Jose associated you water based with service lasses and home putnering. Second Hier Jose associated you water based with respective lasses. The properties of development of the second home putnering water development and you water based with respective you water based with respective lasses. The properties of development and you water based with respective lasses and home putnering. The properties of development and you water based with respective lasses and home putnering. The properties of development and you water based with respective lasses and home putnering. The properties of development and you water based with respective lasses and home putnering. The properiod of development and you water based with respective lasses and home putnering. The properties and respective lasses and home putnering. The properiod of development and you water based with respective lasses and home putnering. The properiod of development and you water based with respective lasses and home putnering. The properiod of development and you water based with respective lasses and home putnering. The properison of development and putnering. The properiod o	LEAD AND COPPER RULE: T	he Lead and Co	opper Rule protects p	ublic health by minimizing lea	d and copper levels in drin	king water,	primarily by re	ducing water corrosivity.				
Contaminants DateCollection DateHighest Level DetectedRange of Lavels DetectedUnitsLikely Source of ContaminationChloroform202430.36.05-30.3ppbBy-product of drinking water distribution.Bromolofine20241.7241.00-1.72ppbBy-product of drinking water distribution.Distribution20241.7241.00-1.72ppbBy-product of drinking water distribution.Distribution20241.7241.00-1.72ppbBy-product of drinking water distribution.Distribution20241.726.81.7.72ppbBy-product of drinking water distribution.Distribution20241.726.81.7.72ppbBy-product of drinking water distribution.Distribution20241.72Analytic distribution.PpfBy-product of drinking water distribution.Distribution20241.72Analytic distribution.Py-product of drinking water distribution.Distribution20241.64.9ContaminatisEstimation.Py-robution drinking water distribution.Py-product drinking water distribution.Pyrobution.Aluminum2024Levels lower than detect level0.0PprErosion of natural deposits.Contaminatis20240.8236.4-66.5PprAburdian naturally occurring element.Collection20240.845.88-9.84PprAburdian naturally occurring element.Galoin20240.840.889.84Self -9.08Ppr <tr< td=""><td>ADDITIONAL HEALTH INFOR in drinking water is primarily fro but cannot control the variety of flushing your tap for 30 second Information on lead in drinking</br></br></td><td>MATION FOR L om materials and of materials used is to 2 minutes b water, testing m</td><td>EAD: If present, ele- d components associ l in plumbing compor- before using water for</td><td>vated levels of lead can cause ated with service lines and ho ents. When your water has b drinking or cooking. If you ar</td><td>e serious health problems, me plumbing. Rose Hill Sl een sitting for several hou e concerned about lead in</td><td>JD is respo rs, you can your water</td><td>nsible for prov minimize the p , you may wish</td><td>ding high quality drinking water, otential for lead exposure by to have your water tested.</td></tr<>	ADDITIONAL HEALTH INFOR in drinking water is primarily fro but cannot control the variety of 	MATION FOR L om materials and of materials used is to 2 minutes b water, testing m	EAD: If present, ele- d components associ l in plumbing compor- before using water for	vated levels of lead can cause ated with service lines and ho ents. When your water has b drinking or cooking. If you ar	e serious health problems, me plumbing. Rose Hill Sl een sitting for several hou e concerned about lead in	JD is respo rs, you can your water	nsible for prov minimize the p , you may wish	ding high quality drinking water, otential for lead exposure by to have your water tested.				
Octoaminants Date Detected Detected Detected Detected Detected Chirdorder 2024 1.7.2 4.100 - 1.7.2 ppb Byproduct of drinking water disinfection. Bronnochirdormerhame 2024 7.2.8 6.81 - 7.2.8 Byproduct of drinking water disinfection. Disconschirdormerhame 2024 7.2.8 6.81 - 7.2.8 Byproduct of drinking water disinfection. Disconschirdormerhame 2024 7.2.8 6.81 - 7.2.8 Byproduct of drinking water disinfection. The entry point to distribution. These ontaminants These ontaminants Range of Lovels Water Structure Water Structure Contaminants Optic Highest Lovel 0 - 0 ppm Elseion of natural depositis. Contaminants Optic Highest Lovel 0 - 0 ppm Alundant naturally occurring element. used in water divelvel. Colloride 2024 Levels lower than detect level 0 - 0 ppm Buindant naturally occurring element. Magnesium 2024 Levels lower than detect level 0 - 0 ppm Erosion of natural deposits.				Unregul	ated Contaminan	ts						
Bornoform 2024 1.72	Contaminants		-		-	ι	Jnits	Likely Source of Contamination				
Bromodicilationsmithane 2024 14.9 9.96.14.9 ppb Bp-product of driving water divinfection. Difformaciformenthane 2024 7.28 6.81.7.28 ppb Bp-product of driving water divinfection. NOTE: Bromodorm, chlorodern, bromodichloromethane, and dibromotioromethane and divinfection by-product. There is no maximum contamium. Intervine of driving water divinfection. Intervine of driving water divinfection. Contaminants Collection Bupper dutine of driving water divinfection. Range of Levels Units Likely Source of Contamination Aluminum 2024 6.6.5 36.4 - 66.5 ppm Abundant natural opocuring element. Calcium 2024 66.5 36.4 - 66.5 ppm Abundant natural opocuring element. Chloride 2024 96.3 15.4 - 95.3 ppm Abundant natural opocuring element. Magnesium 2024 9.84 5.88 - 9.84 ppm Abundant natural opocuring element. Magnesium 2024 0.082 0.029 - 0.082 ppm Abundant natural opocuring element. Magnesium 2024 0.082 0.029	Chloroform						ppb					
Obtemochloromethane 2024 7.28 6.61-7.28 pp pp pp-porduct of drinking water disinfection. NOTE: Brondbrikhomethane and distriction by-products. There is no maximum contaminant level for these chemicals at the entry point to distribution. These contaminants are included in the Disinfection By-Products. THM compliance data. Units Likely Source of Contaminants Contaminants Collection Highest Level Range of Levels Units Likely Source of Contamination Aluminum 2024 Levels lower than detect level 0 - 0 ppm Erosion of natural deposits. Calcium 2024 66.5 35.4 - 66.5 ppm Abundant naturally occurring element. Chioride 2024 95.3 15.4 - 95.3 ppm Erosion of natural deposits. (nor or steel water delivery equipment or lacidities.) Magnesium 2024 0.082 0.029 - 0.082 ppm Abundant naturally occurring element. Manganese 2024 0.087 0.098 ppm Abundant naturally occurring element. Manganese 2024 0.087 0.098 ppm Abundant naturally occurring element. Nickel												
NOTE: Broundorm, Honordchildormethane, and dibromochildormethane are disinfectorn by-products. There is no maximum contaminants are included in the Disinfectorn by-Product TMM compliance data. Secondary and Other Constituents Not Regulated Contaminants Collection Highest Level Range of Levels Units Likely Source of Contamination Aluminum 2024 Levels lower than detect level 0 - 0 ppm Erosion of natural deposits. Calcium 2024 Levels lower than detect level 0 - 0 ppm Abundant naturally occurring element. Chloride 2024 66.5 35.4 - 66.5 ppm Abundant naturally occurring element. Chloride 2024 Levels lower than detect level 0 - 0 ppm Erosion of natural deposits. Magnesium 2024 Levels lower than detect level 0 - 0 ppm Abundant naturally occurring element. Magnesium 2024 0.082 0.029 - 0.082 ppm Abundant naturally occurring element. Magnesium 2024 0.0067 0.0048 - 0.0067 ppm Erosion of natural deposits. Nickel 2024 Levels lower t												
Beendry point to distribution. These contaminants are included in the Disinfection and Observation Advance Advance Advance Advance Advance Advance Advance Advance		-	methane, and dibron									
ContaminantsCollection DateHighest Level DetectedRange of Levels DetectedUnitsLikely Source of ContaminationAluminum2024Levels lower than detect level0 - 0ppmErosion of natural deposits.Calcium202466.535.4 - 66.5ppmAbundant naturally occurring element.Chioride202495.315.4 - 95.3ppmAbundant naturally occurring element.Iron2024Levels lower than detect level0 - 0ppmErosion of natural deposits.Iron2024Levels lower than detect level0 - 0ppmAbundant naturally occurring element.Magnesium20249.845.88 - 9.84ppmAbundant naturally occurring element.Manganese20240.0820.029 - 0.082ppmAbundant naturally occurring element.Nickel20240.00670.0048 - 0.0067ppmErosion of natural deposits.PH20248.97.4 - 8.9unitsMeasure of corrosivity of water.Silver20241.6539.6 - 165ppmProtocuring corring in industrial by-product of oil field activity.Sodium202412856.5 - 128ppmNaturally occurring element.Total Akalinity as CaC03202412856.5 - 128ppmNaturally occurring element.Total Hardness as CaC032024128106 - 202ppmNaturally occurring element.Total Hardness2024202105 - 202ppmNaturally occurring element. <td colspan="11"></td>												
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Childle202435.319.4 + 95.3ppintputification: by-product of oil field activity.Iron2024Levels lower than detect level0 - 0ppmErosion of natural deposits; ron or steel water delivery equipment or facilities.Magnesium20249.845.88 - 9.84ppmAbundant naturally occurring element.Manganese20240.0820.029 - 0.082ppmAbundant naturally occurring element.Nickel20240.00670.0048 - 0.0067ppmErosion of natural deposits.pH20248.97.4 - 8.9unitsMeasure of corrosivity of water.Silver2024Levels lower than detect level0 - 0ppmErosion of natural deposits.Sodium202416539.6 - 165ppmBrosion of natural deposits.Sulfate202412856.5 - 128ppmNaturally occurring coluble mineral salts.Total Alkalinity as CaCO32024202105 - 202ppmNaturally occurring coluble mineral salts.Total Alkalinity as CaCO320242020105 - 202ppmNaturally occurring coluble mineral salts.Total Hardness as CaCO32024Levels lower than detect level0 - 0ppmNaturally occurring coluble mineral salts.Total Hardness as CaCO32024Levels lower than detect level0 - 0ppmNaturally occurring coluble.Total Hardness as CaCO32024Levels lower than detect level0 - 0ppmNaturally occurring coluble.Total Hardness as	Calcium	2024		66.5	35.4 - 66.5		ppm	Abundant naturally occurring element.				
Iron2024Levels lower than detect level0 - 0ppmequipment or facilities.Magnesium20249.845.88 - 9.84ppmAbundant naturally occurring element.Manganese20240.0820.029 - 0.082ppmAbundant naturally occurring element.Nickel20240.00670.0048 - 0.0067ppmErosion of natural deposits.pH20248.97.4 - 8.9unitsMeasure of corrosivity of water.Silver2024Levels lower than detect level0 - 0ppmErosion of natural deposits.Sodium202416539.6 - 165ppmNaturally occurring common industrial by-product of oil field activitySulfate202410539.6 - 165ppmNaturally occurring common industrial by-product; by-product oil field activity.Total Alkalinity as CaCO32024509271 - 509ppmNaturally occurring soluble mineral salts.Total Hardness as CaCO32024Levels lower than detect level0 - 0ppmNaturally occurring calcium.Zinc2024102105 - 202ppmNaturally occurring calcium.Zinc2024Levels lower than detect level0 - 0ppmMederately abundant naturally occurring element used in metal industry.Violations Table20241280 - 0ppmNaturally occurring element used in metal industry.	Chloride	2024		95.3	15.4 - 95.3		ppm					
Manganese20240.0820.029 - 0.082ppmAbundant naturally occurring element.Nickel20240.00670.0048 - 0.0067ppmErosion of natural deposits.pH20248.97.4 - 8.9unitsMeasure of corrosivity of water.Silver2024Levels lower than detect level0 - 0ppmErosion of natural deposits.Sodium202488.735.5 - 88.7ppmErosion of natural deposits.Sulfate202416539.6 - 165ppmNaturally occurring; common industrial by-product of oil field activity.Total Alkalinity as CaCO3202412856.5 - 128ppmNaturally occurring soluble mineral salts.Total Dissolved Solids2024202105 - 202ppmNaturally occurring calcium.Zinc2024Levels lower than detect level0 - 0ppmNaturally occurring calcium.	Iron	2024	Levels low									
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PH20248.97.4 - 8.9unitsMeasure of corrosivity of water.Silver2024Levels lower than detect level0 - 0ppmErosion of natural deposits.Sodium202488.735.5 - 88.7ppmErosion of natural deposits; by-product of oil field activitySulfate202416539.6 - 165ppmNaturally occurring; common industrial by-product; by- product of oil field activity.Total Alkalinity as CaCO3202410556.5 - 128ppmNaturally occurring soluble mineral salts.Total Dissolved Solids20242002105 - 202ppmNaturally occurring calcium.Total Hardness as CaCO32024Levels lower than detect level0 - 0ppmMaturally occurring calcium.Zinc2024Levels lower than detect level0 - 0ppmMaturally occurring calcium.	Manganese	2024		0.082	0.029 - 0.082		ppm	Abundant naturally occurring element.				
Silver2024Levels lower than detect level0 - 0ppmErosion of natural deposits.Sodium202488.735.5 - 88.7ppmErosion of natural deposits; by-product of oil field activitySulfate202416539.6 - 165ppmNaturally occurring; common industrial by-product; by- product of oil field activity.Total Alkalinity as CaCO3202412856.5 - 128ppmNaturally occurring soluble mineral salts.Total Dissolved Solids2024202105 - 202ppmTotal dissolved mineral constituents in water.Total Hardness as CaCO32024Levels lower than detect level0 - 0ppmModerately abundant naturally occurring element used in metal industry.Total Solved Solids2024Levels lower than detect level0 - 0ppmModerately abundant naturally occurring element used in metal industry.Total Solved Solids2024Levels lower than detect level0 - 0ppmModerately abundant naturally occurring element used in metal industry.	Nickel	2024		0.0067	0.0048 - 0.0067		ppm	Erosion of natural deposits.				
Sodium202488.735.5 - 88.7ppmErosion of natural deposits; by-product of oil field activitySulfate202416539.6 - 165ppmNaturally occurring; common industrial by-product; by- product of oil field activity.Total Alkalinity as CaCO3202412856.5 - 128ppmNaturally occurring soluble mineral salts.Total Dissolved Solids20242024105ppmTotal dissolved mineral constituents in water.Total Hardness as CaCO32024202105 - 202ppmNaturally occurring calcium.Zinc2024Levels lower than detect level0 - 0ppmModerately abundant naturally occurring element used in metal industry.	рН	2024		8.9	7.4 - 8.9		units	Measure of corrosivity of water.				
Sulfate202416539.6 - 165ppmNaturally occurring; common industrial by-product; by-product; by-product of oil field activity.Total Alkalinity as CaCO3202412856.5 - 128ppmNaturally occurring soluble mineral salts.Total Dissolved Solids2024509271 - 509ppmTotal dissolved mineral constituents in water.Total Hardness as CaCO32024202105 - 202ppmNaturally occurring calcium.Zinc2024Levels lower than detect level0 - 0ppmModerately abundant naturally occurring element used in metal industry.Violations Table	Silver	2024	Levels low	er than detect level	0 - 0		ppm	Erosion of natural deposits.				
Suitate202416539.6 - 165ppintproduct of oil field activity.Total Alkalinity as CaCO3202412856.5 - 128ppmNaturally occurring soluble mineral salts.Total Dissolved Solids2024509271 - 509ppmTotal dissolved mineral constituents in water.Total Hardness as CaCO32024202105 - 202ppmNaturally occurring calcium.Zinc2024Levels lower than detect level0 - 0ppmModerately abundant naturally occurring element used in metal industry.	Sodium	2024		88.7	35.5 - 88.7		ppm	Erosion of natural deposits; by-product of oil field activity.				
Total Dissolved Solids2024509271 - 509ppmTotal dissolved mineral constituents in water.Total Hardness as CaCO32024202105 - 202ppmNaturally occurring calcium.Zinc2024Levels lower than detect level0 - 0ppmModerately abundant naturally occurring element used in metal industry.Voltations Table	Sulfate	2024	165		39.6 - 165		ppm					
Image: Constraint of the state of the st	Total Alkalinity as CaCO3	2024	128		56.5 - 128		ppm	Naturally occurring soluble mineral salts.				
Zinc 2024 Levels lower than detect level 0 - 0 ppm Moderately abundant naturally occurring element used in metal industry.	Total Dissolved Solids	2024	509		271 - 509		ppm	Total dissolved mineral constituents in water.				
Zinc 2024 Levels lower than detect level 0 - 0 ppm metal industry. Violations Table	Total Hardness as CaCO3	2024	202		105 - 202		ppm	· ·				
	Zinc	2024	Levels low	er than detect level	0 - 0		ppm	Moderately abundant naturally occurring element used in the metal industry.				
Violation				Vie	olations Table							
Violation Type Begin Violation End Violation Explanation	Violation Type	Violation Begin	Violation End			Violati	on Explanati	on				

NTMWD Tawakoni Water Treatment Plants Water Quality Data for Year 2024

Rose Hill SUD data included in red.

			Col	iform Bact	eria			
Maximum Contaminant Level Goal	Contar	form Maximum ninant Level	Highest No. of Positive	Fecal Coliform or E. Coli Maximum Contaminant Level	Pos E. Coli Col San	No. of sitive or Fecal iform nples	Violation	Likely Source of Contamination
0 IOTE: Reported monthly tests		monthly sample coliform bacteria. Co	0.00 Diforms are bacteria that are r	0 naturally presen		0 vironment a	No and are used as	Naturally present in the environment. s an indicator that other,
otentially harmful bacteria ma	y be present.							
			Regula	ted Contan	ninants	5		
Disinfection By-Products	Collection Date	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Units	Violation	Likely Source of Contamination
Total Haloacetic Acids (HAA5)	2024	23	7.60 - 27.7	No goal for the total	60	ppb	No	By-product of drinking water disinfection.
Total Trihalomethanes (TTHM)	2024	40	25.1 - 52.5	No goal for the total	80	ppb	No	By-product of drinking water disinfection.
Bromate	2024	Levels lower than detect level	0 - 0	5	10	ppb	No	By-product of drinking water ozonation.
IOTE: Not all sample results i ampling should occur in the fu								o determine where compliance ing annual average.
Inorganic Contaminants	Collection Date	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Units	Violation	Likely Source of Contamination
Antimony	2024	Levels lower than detect level	0 - 0	6	6	ppb	No	Discharge from petroleum refineries; fire retardants; ceramics; electronics; solder; and test addition.
Arsenic	2024	Levels lower than detect level	0 - 0	0	10	ppb	No	Erosion of natural deposits; runoff from orchards; runoff from glass and electronics production wastes.
Barium	2024	0.073	0.073 - 0.073	2	2	ppm	No	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits.
Beryllium	2024	Levels lower than detect level	0 - 0	4	4	ppb	No	Discharge from metal refineries and coal-burning factorie discharge from electrical, aerospace, and defense industries.
Cadmium	2024	Levels lower than detect level	0 - 0	5	5	ppb	No	Corrosion of galvanized pipes; erosion of natural deposit discharge from metal refineries; runoff from waste batteri and paints.
Chromium	2024	Levels lower than detect level	0 - 0	100	100	ppb	No	Discharge from steel and pulp mills; erosion of natural deposits.
Cyanide	2024	53.9	53.9 - 53.9	200	200	ppb	No	Discharge from steel/metal factories; Discharge from plastics and fertilizer factories.
Fluoride	2024	0.489	0.489 - 0.489	4	4	ppm	No	Erosion of natural deposits; water additive which promote strong teeth; discharge from fertilizer and aluminum factories.
Mercury	2024	Levels lower than detect level	0 - 0	2	2	ppb	No	Erosion of natural deposits; discharge from refineries and factories; runoff from landfills; runoff from cropland.
Nitrate (measured as Nitrogen)	2024	0.172	0.172 - 0.172	10	10	ppm	No	Runoff from fertilizer use; leaching from septic tanks; sewage; erosion of natural deposits.
Selenium	2024	Levels lower than detect level	0 - 0	50	50	ppb	No	Discharge from petroleum and metal refineries; erosion on natural deposits; discharge from mines.
Thallium	2024	Levels lower than detect level	0 - 0	0.5	2	ppb	No	Discharge from electronics, glass, and leaching from ore processing sites; drug factories.
aby syndrome. Nitrate levels i			s a health risk for infants of le ime because of rainfall or agr					king water can cause blue hould ask advice from your healtł
are provider. Radioactive Contaminants	Collection Date	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Units	Violation	Likely Source of Contamination
Beta/photon emitters	2024	Levels lower than detect level	0 - 0	0	50	pCi/L	No	Decay of natural and man-made deposits.
Gross alpha excluding radon and uranium	2024	Levels lower than detect level	0 - 0	0	15	pCi/L	No	Erosion of natural deposits.
Radium	2024	Levels lower than detect level	0 - 0	0	5	pCi/L	No	Erosion of natural deposits.

NTMWD Tawakoni Water Treatment Plants Water Quality Data for Year 2024 (Cont.)

•	el Range of Levels Detected	MCLG	MCL	Units	Violation	Likely Source of Contamination
Levels lower th		50	50	ppb	No	Residue of banned herbicide.
Δ	an 0 - 0	70	70	ppb	No	Runoff from herbicide used on row crops.
	an 0 - 0	0	2	ppb	No	Runoff from herbicide used on row crops.
Δ	an 0 - 0	1	3	ppb	No	Runoff from agricultural pesticide.
	an 0 - 0	1	2	ppb	No	Runoff from agricultural pesticide.
Δ	an 0 - 0	1	4	ppb	No	Runoff from agricultural pesticide.
4 0.1	0.1 - 0.1	3	3	ppb	No	Runoff from herbicide used on row crops.
	an 0 - 0	0	200	ppt	No	Leaching from linings of water storage tanks and distribution lines.
4 Levels lower th detect level	an 0 - 0	40	40	ppb	No	Leaching of soil fumigant used on rice and alfalfa.
4 Levels lower th detect level	an 0 - 0	0	2	ppb	No	Residue of banned termiticide.
4 Levels lower th detect level	an 0 - 0	200	200	ppb	No	Runoff from herbicide used on rights of way.
4 Levels lower th detect level	an 0 - 0	400	400	ppb	No	Discharge from chemical factories.
4 Levels lower th detect level	an 0 - 0	0	6	ppb	No	Discharge from rubber and chemical factories.
4 Levels lower th detect level	an 0 - 0	0	200	ppt	No	Runoff / leaching from soil fumigant used on soybeans, cotton, pineapples, and orchards.
4 Levels lower th detect level	an 0 - 0	7	7	ppb	No	Runoff from herbicide used on soybeans and vegetables.
Δ	an 0 - 0	2	2	ppb	No	Residue of banned insecticide.
Δ	an 0 - 0	0	50	ppt	No	Discharge from petroleium refineries.
4	an 0 - 0	0	400	ppt	No	Residue of banned termiticide.
Δ	an 0 - 0	0	200	ppt	No	Breakdown of heptachlor.
Δ	an 0 - 0	0	1	ppb	No	Discharge from metal refineries and agricultural chemical factories.
4	an 0 - 0	50	50	ppb	No	Discharge from chemical factories.
	an 0 - 0	200	200	ppt	No	Runoff / leaching from insecticide used on cattle, lumber, and gardens.
	an 0 - 0	40	40	ppb	No	Runoff / leaching from insecticide used on fruits, vegetables, alfalfa, and livestock.
	an 0 - 0	200	200	ppb	No	Runoff / leaching from insecticide used on apples, potatoes, and tomatoes.
	an 0 - 0	0	1	ppb	No	Discharge from wood preserving factories.
Δ	an 0 - 0	500	500	ppb	No	Herbicide runoff.
	an 0 - 0	4	4	ppb	No	Herbicide runoff.
	an 0 - 0	0	3	ppb	No	Runoff / leaching from insecticide used on cotton and cattle.
•	el Range of Levels Detected	MCLG	MCL	Units	Violation	Likely Source of Contamination
	an 0 - 0	200	200	ppb	No	Discharge from metal degreasing sites and other factories.
	an 0 - 0	3	5	ppb	No	Discharge from industrial chemical factories.
	an 0 - 0	7	7	ppb	No	Discharge from industrial chemical factories.
	an 0 - 0	70	70	ppb	No	Discharge from textile-finishing factories.
	an 0 - 0	0	5	ppb	No	Discharge from industrial chemical factories.
4	an 0 - 0	0	5	ppb	No	Discharge from industrial chemical factories.
Levels lower th	an 0 - 0	0	5	ppb	No	Discharge from factories; leaching from gas storage tanks and landfills.
	Detected A Detected 4 Levels lower th detect level 4 Levels lower th detect level	eDetectedDetected44Levels lower than detect level0 - 044Levels lower than detect level <t< td=""><td>e Detected Detected MCLG 44 Levels lower than detect level 0 - 0 50 44 Levels lower than detect level 0 - 0 70 44 Levels lower than detect level 0 - 0 1 44 Levels lower than detect level 0 - 0 1 44 Levels lower than detect level 0 - 0 1 44 Levels lower than detect level 0 - 0 1 44 Levels lower than detect level 0 - 0 0 44 Levels lower than detect level 0 - 0 40 44 Levels lower than detect level 0 - 0 0 44 Levels lower than detect level 0 - 0 0 44 Levels lower than detect level 0 - 0 0 44 Levels lower than detect level 0 - 0 0 44 Levels lower than detect level 0 - 0 0 44 Levels lower than detect level 0 - 0 0 44 Levels lower than detect level 0 - 0 0</td><td>eDetectedDetectedMCLGMCLG44Levels lower than0 - 0505044Levels lower than0 - 0707044Levels lower than0 - 00244Levels lower than0 - 01344Levels lower than0 - 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Volatile Organic Contaminants	Collection Date	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Units	Violation	Likely Source of Contamination		
Chlorobenzene	2024	Levels lower than detect level	0 - 0	100	100	ppb	No	Discharge from chemical and agricultural chemical factories.		
Dichloromethane	2024	Levels lower than detect level	0 - 0	0	5	ppb	No	Discharge from pharmaceutical and chemical factories.		
Ethylbenzene	2024	Levels lower than detect level	0 - 0	0	700	ppb	No	Discharge from petroleum refineries.		
Styrene	2024	Levels lower than detect level	0 - 0	100	100	ppb	No	Discharge from rubber and plastic factories; leaching from landfills.		
Tetrachloroethylene	2024	Levels lower than detect level	0 - 0	0	5	ppb	No	Discharge from factories and dry cleaners.		
Toluene	2024	Levels lower than detect level	0 - 0	1	1	ppm	No	Discharge from petroleum factories.		
Trichloroethylene	2024	Levels lower than detect level	0 - 0	0	5	ppb	No	Discharge from metal degreasing sites and other factories.		
Vinyl Chloride	2024	Levels lower than detect level	0 - 0	0	2	ppb	No	Leaching from PVC piping; discharge from plastics factories.		
Xylenes	2024	Levels lower than detect level	0 - 0	10	10	ppm	No	Discharge from petroleum factories; discharge from chemical factories.		
cis - 1, 2 - Dichloroethylene	2024	Levels lower than detect level	0 - 0	70	70	ppb	No	Discharge from industrial chemical factories.		
o - Dichlorobenzene	2024	Levels lower than detect level	0 - 0	600	600	ppb	No	Discharge from industrial chemical factories.		
p - Dichlorobenzene	2024	Levels lower than detect level	0 - 0	75	75	ppb	No	Discharge from industrial chemical factories.		
trans - 1, 2 - Dicholoroethylene	2024	Levels lower than detect level	0 - 0	100	100	ppb	No	Discharge from industrial chemical factories.		
	Turbidity									
	Limit (Treatment Technique)			nique)	Level	Detected	Violation	Likely Source of Contamination		
Highest single measurement			1 NTU 0.41			No	Soil runoff.			
Lowest monthly percentage (%) meeting limit			0.3 NTU			9.4%	No	Soil runoff.		
NOTE: 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. Maximum Residual Disinfectant Level										
Disinfectant Type	Year	Average Level	Minimum Level	Maximum Level	MRDL	MRDLG	Units	Source of Chemical		
Chlorine Residual	2024	2.56	0.64	3.63	4.00	<4.0	ppm	Disinfectant used to control microbes.		
(Chloramines) Chlorine Dioxide	2024	0.033	0	0.68	0.80	0.80	ppm	Disinfectant.		
Chlorite	2024	0.129	0	0.86	1.00	0.00 N/A	ppm	Disinfectant.		
NOTE: Water providers are required to maintain a minimum chlorine disinfection residual level of 0.5 parts per million (ppm) for systems disinfecting with chloramines and an annua average chlorine disinfection residual level of between 0.5 ppm and 4 ppm.										
Total Organic Carbon										
Collection Highest Level Date Detected			Range of I Detect				Likely Source of Contamination			

NTMWD Tawakoni Water Treatment Plants Water Quality Data for Year 2024 (Cont.)

The percentage of Total Organic Carbon (TOC) removal was measured each month and the system met all TOC removal requirements set.

NTMWD Tawakoni Water Treatment Plants Water Quality Data for Year 2024 (Cont.)

Lead and Copper									
Lead and Copper	Date Sampled	Action Level (AL) 90th Percentile		# Sites Over AL	Units	Violation	Likely Source of Contamination		
Lead	2022	15	1.02	0	ppb	No	Erosion of natural deposits; leaching from wood preservatives; corrosion of household plumbing systems.		
Copper	2022	1.3	1.3 0.46		ppm	No	Corrosion of household plumbing systems; erosion of natural deposits.		
LEAD AND COPPER RULE: The Lead and Copper Rule protects public health by minimizing lead and copper levels in drinking water, primarily by reducing water corrosivity. Lead and Copper enter drinking water mainly from corrosion of plumbing materials containing lead and copper. ADDITIONAL HEALTH INFORMATION FOR LEAD: 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. Rose Hill SUD is responsible for providing high quality drinking water, but 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 http://www.epa.gov/safewater/lead.									
			Unregula	ated Contaminan	ts				
Contaminants	Collection Date	Highest Level Detected		Range of Levels Detected	l	Jnits	Likely Source of Contamination		
Chloroform	2024	30.3		6.95 - 30.3		ppb	By-product of drinking water disinfection.		
Bromoform	2024	1.72		<1.00 - 1.72		ppb	By-product of drinking water disinfection.		
Bromodichloromethane	2024		14.9	9.66 - 14.9		ppb	By-product of drinking water disinfection.		
Dibromochloromethane NOTE: Bromoform, chloroform	2024		7.28	6.81 - 7.28		ppb	By-product of drinking water disinfection.		
Secondary and Other Constituents Not Regulated Collection Highest Level Range of Levels									
Contaminants	Date		hest Level Detected	Range of Levels Detected	ι	Jnits	Likely Source of Contamination		
Aluminum	2024		0.023	0.023 - 0.023		ppm	Erosion of natural deposits.		
Calcium	2024		46.8			ppm	Abundant naturally occurring element.		
Chloride	2024	19.2		12.5 - 19.2		ppm	Abundant naturally occurring element; used in water purification; by-product of oil field activity.		
Iron	2024	Levels lower than detect level		0 - 0		ppm	Erosion of natural deposits; iron or steel water delivery equipment or facilities.		
Magnesium	2024	2.64		2.64 - 2.64		ppm	Abundant naturally occurring element.		
Manganese	2024	0.0085		0.0085 - 0.0085		ppm	Abundant naturally occurring element.		
Nickel	2024	0.0043		0.0043 - 0.0043		ppm	Erosion of natural deposits.		
рН	2024		8.2	7.3 - 8.2		units	Measure of corrosivity of water.		
Silver	2024	Levels low	er than detect level	0 - 0		ppm	Erosion of natural deposits.		
Sodium	2024		19.7	14.5 - 19.7		ppm	Erosion of natural deposits; by-product of oil field activity.		
Sulfate	2024		78.8	54.0 - 78.8		ppm	Naturally occurring; common industrial by-product; by- product of oil field activity.		

Violations Table

59.2 - 86.6

168 - 221

102 - 127

0 - 0

ppm

ppm

ppm

ppm

Violation Explanation

Naturally occurring soluble mineral salts.

Naturally occurring calcium.

the metal industry.

Total dissolved mineral constituents in water.

Moderately abundant naturally occurring element used in

86.6

221

127

Levels lower than detect level

Total Alkalinity as CaCO3

Total Dissolved Solids

Total Hardness as CaCO3

Zinc

Violation Type

2024

2024

2024

2024

Violation

Begin

Violation End

Lead Service Line Inventory

North Texas Municipal Water District has completed its service line inventory and determined through field investigations that no lead, galvanized requiring replacement, or lead status unknown service lines are in the system. To view and access the service line inventory, go to https://www.ntmwd.com/200/Water-Quality.