

2023 ANNUAL DRINKING WATER QUALITY REPORT

PERIOD OF JANUARY 1 TO DECEMBER 31, 2023

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.

Where do we get our drinking water?

The Source of drinking water used by Talty SUD is Purchased Surface Water from the City of Forney. The City of Forney purchases its water from the North Texas Municipal Water District. The NTMWD receives raw water from Lavon Lake for treatment at the Wylie Water Treatment Plants. In addition to Lavon Lake, NTMWD holds water rights in Lake Texoma. Jim Chapman Lake (Cooper Lake), Lake Tawakoni, and the East Fork Raw Water Supply Project which augments supplies. For detailed information on our water sources, treatment process and more, please visit NTMWD's website at: www.ntmwd.com



Special Notice: Are you Vulnerable?

You may be more vulnerable than the general population to certain microbial contaminants, such as Cryptosporidium, in drinking water. Infants, some elderly, or immuno-compromised 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 health care provider. Additional guidelines on appropriate means to lessen the risk of infection by Cryptosporidium and other microbial contaminants are available from the Safe Drinking Water Hotline at (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. This water supply 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.

WATER CONSERVATION UPDATE

NO OUTDOOR LANDSCAPE OR LAWN WATERING BETWEEN THE HOURS OF 10 AM AND 6 PM

LIMIT LANDSCAPE WATERING WITH SPRINKLERS OR IRRIGATION SYSTEMS TO NO MORE THAN TWO DAYS PER WEEK AS NEEDED PER THE FOLLOWING SCHEDULE:

ADDRESSES ENDING IN 0,2,4,6,8 **MONDAY & THURSDAY**

ADRESSES ENDING IN 1.3.5.7.9 **TUESDAY & FRIDAY**

SCHOOLS, PARKS, & ROW's WEDNESDAY & SATURDAY



2023 Water purchased: 2023 Water sold: 2023 Water loss: 2023 Loss percentage: 2023 Accounted for Loss: 2023 Unaccounted for Loss:

691.367.000 gallons 641,386,484 gallons 49,980,516 gallons 7.78% 2,617,000 gallons 7.31%

Source 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 pickup substances

resulting from the presence of animals or from human activity. 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.

All drinking water may contain contaminants

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 (800) 426-4791.

Public Participation Opportunities

The Talty SUD Board of Directors holds a public meeting every 3rd Tuesday of each month at 12475 Windy Lane, Forney, TX 75126 beginning at 6pm. To learn about future public meetings (concerning your drinking water), or to request to schedule one, please call us at (972) 552-4422.

The TCEQ has completed a Source Water Assessment for all drinking water systems that own their sources. The report 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 system from which we purchase our water received the assessment report. For more information on source water assessments and protection efforts at our system, contact Corey Trail at (972) 552-4422.

En Español

Este informe incluye información importante sobre el agua potable. Si tiene preguntas o comentarios sobre éste informe en español, favor de llamar al tel. (972) 552-4422. Para hablar con una persona bilingüe en español.

Definitions

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 were found.

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 Escherichia coli (E. coli) maximum contaminant level (MCL) violation has occurred and/or why total coliform bacteria were found on multiple occasions.

Maximum Contaminant Level (MCL) – The highest level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs as feasible using the best available treatment technology. Maximum Contaminant Level (MCL) – The highest 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 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 (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.

Action Level Goal (ALG) - The level of a contaminants in drinking water below which there is no known or expected risk to health. ALGs allow for a margin of safety. 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
 - 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.
 - NTU Nephelometric Turbidity Units
 - MFL Million fibers per liter (a measure of asbestos)

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				orm Bac				
Maximum Contaminant Level Goal	Contan	form Maximum ninant Level	Highest No. of Positive	Fecal Coliform or E. Coli Maximum Contaminan t Level	Po: E. Coli Col	l No. of sitive or Fecal liform nples	Violation	Likely Source of Contamination
0 NOTE: Reported monthly tests		monthly sample I coliform bacteria. Co	0.00 Diforms are bacteria that are	0 e naturally pre	esent in th	0 ne environm	No ent and are us	Naturally present in the environment.
potentially harmful bacteria ma				, ,				
			Regulate	d Conta	minan	its		
Disinfection By- Products	Collection Date	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Units	Violation	Likely Source of Contamination
Total Haloacetic Acids (HAA5)	2023	28.9	13.1 - 28.9	No goal for the total	60	ppb	No	By-product of drinking water disinfection.
Total Trihalomethanes (TTHM)	2023	56	22.8 - 56.0	No goal for the total	80	ppb	No	By-product of drinking water disinfection.
Bromate	2023	Levels lower than detect level	0 - 0	5	10	ppb	No	By-product of drinking water ozonation.
in the future. As a wholesale v	vater provider w D regional syste	ith less than 500 dire em, over 300 samples	ct customers, TCEQ only re of water initially treated by	equires one s	ample an	nually for D	isinfection By	tion to determine where compliance sampling should occur Products (DBPs) compliance testing. In addition to TCEQ he city/local water systems to comply with TCEQ
Inorganic Contaminants	Collection Date	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Units	Violation	Likely Source of Contamination
Antimony	2023	Levels lower than detect level	0 - 0	6	6	ppb	No	Discharge from petroleum refineries; fire retardants; ceramics; electronics; solder; and test addition.
Arsenic	2023	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	2023	0.044	0.044 - 0.044	2	2	ppm	No	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits.
Beryllium	2023	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	2023	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	2023	Levels lower than detect level	0 - 0	100	100	ppb	No	Discharge from steel and pulp mills; erosion of natural deposits.
Cyanide	2023	28.7	28.7 - 28.7	200	200	ppb	No	Discharge from steel/metal factories; Discharge from plastics and fertilizer factories.
Fluoride	2023	0.19	0.19 - 0.19	4	4	ppm	No	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories.
Mercury	2023	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)	2023	0.0555	0.0555 - 0.0555	10	10	ppm	No	Runoff from fertilizer use; leaching from septic tanks; sewage; erosion of natural deposits.
Selenium	2023	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	2023	Levels lower than detect level	0 - 0	0.5	2	ppb	No	Discharge from electronics, glass, and leaching from ore- processing sites; drug factories.
								n drinking water can cause blue you should 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	2023	4.1	4.1 - 4.1	0	50	pCi/L	No	Decay of natural and man-made deposits.
Gross alpha excluding radon and uranium	2023	Levels lower than detect level	0 - 0	0	15	pCi/L	No	Erosion of natural deposits.
Radium	2023	Levels lower than detect level	0 - 0	0	5	pCi/L	No	Erosion of natural deposits.

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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)	2023	Levels lower than detect level	0 - 0	50	50	ppb	No	Residue of banned herbicide.
2, 4 - D	2023	Levels lower than detect level	0 - 0	70	70	ppb	No	Runoff from herbicide used on row crops.
Alachlor	2023	Levels lower than detect level	0 - 0	0	2	ppb	No	Runoff from herbicide used on row crops.
Aldicarb	2023	Levels lower	0 - 0	1	3	ppb	No	Runoff from agricultural pesticide.
Aldicarb Sulfone	2023	than detect level Levels lower	0 - 0	1	2	ppb	No	Runoff from agricultural pesticide.
Aldicarb Sulfoxide	2023	than detect level Levels lower	0 - 0	1	4	ppb	No	Runoff from agricultural pesticide.
Atrazine	2023	than detect level 0.2	0.2 - 0.2	3	3	ppb	No	Runoff from herbicide used on row crops.
Benzo (a) pyrene	2023	Levels lower	0 - 0	0	200	ppt	No	Leaching from linings of water storage tanks and
Carbofuran	2023	than detect level Levels lower	0 - 0	40	40	ppb	No	distribution lines. Leaching of soil fumigant used on rice and alfalfa.
Chlordane	2023	than detect level Levels lower	0 - 0	0	2	ppb	No	Residue of banned termiticide.
Dalapon	2023	than detect level Levels lower	0 - 0	200	200	ppb	No	Runoff from herbicide used on rights of way.
Di (2-ethylhexyl) adipate	2023	than detect level Levels lower	0 - 0	400	400	ppb	No	Discharge from chemical factories.
Di (2-ethylhexyl) phthalate	2023	than detect level Levels lower	0 - 0	400	400	ppb	No	Discharge from rubber and chemical factories.
Dibromochloropropane	2023	than detect level Levels lower	0 - 0	0	200		No	Runoff / leaching from soil fumigant used on soybeans,
(DBCP)		than detect level Levels lower		_		ppt		cotton, pineapples, and orchards.
Dinoseb	2023	than detect level Levels lower	0 - 0	7	7	ppb	No	Runoff from herbicide used on soybeans and vegetables.
Endrin	2023	than detect level Levels lower	0 - 0	2	2	ppb	No	Residue of banned insecticide.
Ethylene dibromide	2023	than detect level Levels lower	0 - 0	0	50	ppt	No	Discharge from petroleium refineries.
Heptachlor	2023	than detect level Levels lower	0 - 0	0	400	ppt	No	Residue of banned termiticide.
Heptachlor epoxide	2023	than detect level	0 - 0	0	200	ppt	No	Breakdown of heptachlor.
Hexachlorobenzene	2023	Levels lower than detect level	0 - 0	0	1	ppb	No	Discharge from metal refineries and agricultural chemical factories.
Hexachlorocyclopentadien e	2023	Levels lower than detect level	0 - 0	50	50	ppb	No	Discharge from chemical factories.
Lindane	2023	Levels lower than detect level	0 - 0	200	200	ppt	No	Runoff / leaching from insecticide used on cattle, lumber, and gardens.
Methoxychlor	2023	Levels lower than detect level	0 - 0	40	40	ppb	No	Runoff / leaching from insecticide used on fruits, vegetables, alfalfa, and livestock.
Oxamyl [Vydate]	2023	Levels lower than detect level	0 - 0	200	200	ppb	No	Runoff / leaching from insecticide used on apples, potatoes, and tomatoes.
Pentachlorophenol	2023	Levels lower than detect level	0 - 0	0	1	ppb	No	Discharge from wood preserving factories.
Picloram	2023	Levels lower than detect level	0 - 0	500	500	ppb	No	Herbicide runoff.
Simazine	2023	Levels lower than detect level	0 - 0	4	4	ppb	No	Herbicide runoff.
Toxaphene	2023	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	2023	Levels lower than detect level	0 - 0	200	200	ppb	No	Discharge from metal degreasing sites and other factories.
1, 1, 2 - Trichloroethane	2023	Levels lower than detect level	0 - 0	3	5	ppb	No	Discharge from industrial chemical factories.
1, 1 - Dichloroethylene	2023	Levels lower than detect level	0 - 0	7	7	ppb	No	Discharge from industrial chemical factories.
1, 2, 4 - Trichlorobenzene	2023	Levels lower than detect level	0 - 0	70	70	ppb	No	Discharge from textile-finishing factories.
1, 2 - Dichloroethane	2023	Levels lower than detect level	0 - 0	0	5	ppb	No	Discharge from industrial chemical factories.
1, 2 - Dichloropropane	2023	Levels lower than detect level	0 - 0	0	5	ppb	No	Discharge from industrial chemical factories.
Benzene	2023	Levels lower than detect level	0 - 0	0	5	ppb	No	Discharge from factories; leaching from gas storage tanks and landfills.
Carbon Tetrachloride	2023	Levels lower than detect level	0 - 0	0	5	ppb	No	Discharge from chemical plants and other industrial activities.
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		Wate	r Quality Dat	a for `	Year	2023	(Con	t.)
Volatile Organic Contaminants	Collection Date	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Units	Violation	Likely Source of Contamination
Chlorobenzene	2023	Levels lower than detect level	0 - 0	100	100	ppb	No	Discharge from chemical and agricultural chemical factories.
Dichloromethane	2023	Levels lower than detect level	0 - 0	0	5	ppb	No	Discharge from pharmaceutical and chemical factories.
Ethylbenzene	2023	Levels lower than detect level	0 - 0	0	700	ppb	No	Discharge from petroleum refineries.
Styrene	2023	Levels lower than detect level	0 - 0	100	100	ppb	No	Discharge from rubber and plastic factories; leaching fr landfills.
Tetrachloroethylene	2023	Levels lower than detect level	0 - 0	0	5	ppb	No	Discharge from factories and dry cleaners.
Toluene	2023	Levels lower than detect level	0 - 0	1	1	ppm	No	Discharge from petroleum factories.
Trichloroethylene	2023	Levels lower than detect level	0 - 0	0	5	ppb	No	Discharge from metal degreasing sites and other factories.
Vinyl Chloride	2023	Levels lower than detect level	0 - 0	0	2	ppb	No	Leaching from PVC piping; discharge from plastics factories.
Xylenes	2023	Levels lower than detect level	0 - 0	10	10	ppm	No	Discharge from petroleum factories; discharge from chemical factories.
cis - 1, 2 - Dichloroethylene	2023	Levels lower than detect level	0 - 0	70	70	ppb	No	Discharge from industrial chemical factories.
o - Dichlorobenzene	2023	Levels lower than detect level	0 - 0	600	600	ppb	No	Discharge from industrial chemical factories.
p - Dichlorobenzene	2023	Levels lower than detect level	0 - 0	75	75	ppb	No	Discharge from industrial chemical factories.
trans - 1, 2 - Dicholoroethylene	2023	Levels lower than detect level	0 - 0	100	100	ppb	No	Discharge from industrial chemical factories.
			T	urbidity				
			Limit (Treatment Techn	lique)	Level [Detected	Violation	Likely Source of Contamination
inhost single measure			1 NTU		0.25		No	Soil runoff.
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owest monthly percenta	age (%) meeti		0.3 NTU			00%	No good indicato	Soil runoff.
owest monthly percenta OTE: Turbidity is a measure	age (%) meeti		0.3 NTU	les. We moni				soli runoli. r of water quality and the effectiveness
owest monthly percenta OTE: Turbidity is a measure	age (%) meeti		0.3 NTU		tor it beca	ause it is a	good indicato	
owest monthly percenta OTE: Turbidity is a measure	age (%) meeti		0.3 NTU caused by suspended partic		tor it beca	ause it is a	good indicato	
owest monthly percenta OTE: Turbidity is a measure four filtration. Disinfectant Type Chlorine Residual	age (%) meeti ment of the clo	Average Level of Quarterly	0.3 NTU caused by suspended partic Maximum Resid	dual Disi Highest Result of Single	tor it beca	ause it is a	good indicato	r of water quality and the effectiveness
owest monthly percenta OTE: Turbidity is a measure four filtration. Disinfectant Type Chlorine Residual (Chloramines)	Age (%) meeti ment of the clore Year 2023	Average Level of Quarterly Data 3.11	0.3 NTU caused by suspended partic Maximum Resid Lowest Result of Single Sample 1.03	Highest Result of Single Sample 3.95	nfecta MRDL 4.00	ause it is a ant Leve MRDLG <4.0	good indicato	r of water quality and the effectiveness Source of Chemical Disinfectant used to control microbes.
owest monthly percenta OTE: Turbidity is a measure our filtration. Disinfectant Type Chlorine Residual (Chloramines) Chlorine Dioxide	Year 2023 2023	Average Level of Quarterly Data 3.11 0.02	0.3 NTU caused by suspended partic Maximum Resid Lowest Result of Single Sample 1.03 0	Highest Result of Single Sample 3.95 0.58	nfecta MRDL 4.00 0.80	ause it is a ant Leve MRDLG <4.0 0.80	good indicato	r of water quality and the effectiveness Source of Chemical Disinfectant used to control microbes. Disinfectant.
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Disinfectant Type Chlorine Residual (Chloramines) Chlorine Dioxide Chlorite Othorite Othorite Othorite Othorite Othorite	Year 2023 2023 2023 quired to mainta	Average Level of Quarterly Data 3.11 0.02 0.17 ain a minimum chlorin	0.3 NTU caused by suspended partic Maximum Resid Lowest Result of Single Sample 1.03 0 0 0	Highest Result of Single Sample 3.95 0.58 0.81	tor it bec: nfecta MRDL 4.00 0.80 1.00	ause it is a ant Leve MRDLG <4.0 0.80 N/A	good indicato	r of water quality and the effectiveness Source of Chemical Disinfectant used to control microbes. Disinfectant.
Owest monthly percenta OTE: Turbidity is a measure our filtration. Disinfectant Type Chlorine Residual (Chloramines) Chlorine Dioxide Chlorite OTE: Water providers are re	Year 2023 2023 2023 quired to mainta	Average Level of Quarterly Data 3.11 0.02 0.17 ain a minimum chlorin	0.3 NTU caused by suspended partic Maximum Resid Lowest Result of Single Sample 1.03 0 0 e disinfection residual level 4 ppm.	Highest Result of Single Sample 3.95 0.58 0.81	MRDL 4.00 0.80 1.00 er million	ause it is a ant Leve MRDLG <4.0 0.80 N/A (ppm) for s	good indicato	r of water quality and the effectiveness Source of Chemical Disinfectant used to control microbes. Disinfectant. Disinfectant.
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owest monthly percenta OTE: Turbidity is a measure our filtration. Disinfectant Type Chlorine Residual (Chloramines) Chlorine Dioxide Chlorite OTE: Water providers are re verage chlorine disinfection re	Year 2023 2023 2023 quired to mainta ssidual level of b	Average Level of Quarterly Data 3.11 0.02 0.17 ain a minimum chlorinetween 0.5 ppm and	0.3 NTU caused by suspended partic Maximum Resid Lowest Result of Single Sample 1.03 0 0 te disinfection residual level 4 ppm. Total O	Highest Result of Single Sample 3.95 0.58 0.81 of 0.5 parts p rganic C and the sys	MRDL 4.00 0.80 1.00 er million arbor	ause it is a ant Leve MRDLG <4.0 0.80 N/A (ppm) for s h et all TOC	good indicato	r of water quality and the effectiveness Source of Chemical Disinfectant used to control microbes. Disinfectant. Disinfectant. ecting with chloramines and an annual
owest monthly percenta OTE: Turbidity is a measure our filtration. Disinfectant Type Chlorine Residual (Chloramines) Chlorine Dioxide Chlorite OTE: Water providers are re iterage chlorine disinfection re	Year 2023 2023 2023 quired to mainta ssidual level of b	Average Level of Quarterly Data 3.11 0.02 0.17 ain a minimum chlorinetween 0.5 ppm and	0.3 NTU caused by suspended partic Maximum Resid Lowest Result of Single Sample 1.03 0 0 e disinfection residual level 4 ppm. Total O	Highest Result of Single Sample 3.95 0.58 0.81 of 0.5 parts p rganic C and the sys	MRDL 4.00 0.80 1.00 er million arbor	ause it is a ant Leve MRDLG <4.0 0.80 N/A (ppm) for s h et all TOC	good indicato	r of water quality and the effectiveness Source of Chemical Disinfectant used to control microbes. Disinfectant. Disinfectant. ecting with chloramines and an annual
owest monthly percenta OTE: Turbidity is a measure f our filtration. Disinfectant Type Chlorine Residual (Chloramines) Chlorine Dioxide Chlorite	Year 2023 2023 2023 quired to mainta ssidual level of b	Average Level of Quarterly Data 3.11 0.02 0.17 ain a minimum chlorin etween 0.5 ppm and (TOC) removal wa	0.3 NTU caused by suspended partic Maximum Resid Lowest Result of Single Sample 1.03 0 0 te disinfection residual level 4 ppm. Total O	Highest Result of Single Sample 3.95 0.58 0.81 of 0.5 parts p rganic C and the sys	MRDL 4.00 0.80 1.00 er million arbor stem me nd Gia	MRDLG <4.0 0.80 N/A (ppm) for s t all TOC	good indicato	r of water quality and the effectiveness Source of Chemical Disinfectant used to control microbes. Disinfectant. Disinfectant. ecting with chloramines and an annual uirements set. Likely Source of Contamination
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		ΝΤΜΥ	D Leonard	Water	Trea	atme	nt Plar	nts
		Wate	r Quality Dat	ta for	Year	2023	3 (Con	t.)
			Lead	and Co	pper	1		
Lead and Copper	Date Sampled	MCLG	Action Level	90th Percentile	# Sites	Units	Violation	Likely Source of Contamination
Lead	7/22/2022	0	15	0.95	0	ppb	No	Corrosion of household plumbing systems; erosion of natural deposits.
Copper	7/22/2022	1.30	1.3	0.473	0	ppm	No	Erosion of natural deposits; leaching from wood preservatives; corrosion of household plumbing systems
LEAD AND COPPER RULE: T Lead and Copper enter drinking						in drinking	water, primaril	y by reducing water corrosivity.
ADDITIONAL HEALTH INFORM in drinking water is primarily fro but cannot control the variety of	MATION FOR L om materials an f materials use s to 2 minutes water, testing n	EAD: If present, elev d components assoc d in plumbing compo before using water fo	ated levels of lead can caus iated with service lines and nents. When your water has r drinking or cooking. If you	se serious he home plumb s been sitting are concerne	alth proble ing. Talty for severa d about le	SUD is res al hours, yo ad in your	ponsible for provide the providence of the provi	ant women and young children. Lead roviding high quality drinking water, te the potential for lead exposure by ay wish to have your water tested. Pr Hotline or
			Unregula	ted Cont	amina	nts		
Contaminants	Collection Date	Jnits	Likely Source of Contamination					
Chloroform	2023		27	10.5 -	27.0		ppb	By-product of drinking water disinfection.
Bromoform	2023		1.87	<1.00 -	1.87		ppb	By-product of drinking water disinfection.
Bromodichloromethane	2023		17.6	7.57 -	17.6		ppb	By-product of drinking water disinfection.
Dibromochloromethane	2023	methane, and dibrar	9.92	3.88 -			ppb	By-product of drinking water disinfection. minant level for these chemicals at the entry point to
distribution. These contaminan					iucis. me			
		Sec	ondary and Othe	r Constit	tuents	Not Re	gulated	
Contaminants	Collection Date	-	nest Level etected	Range of Detect			Jnits	Likely Source of Contamination
Aluminum	2023	Levels lowe	er than detect level	0 -	0	ppm		Erosion of natural deposits.
Calcium	2023		51.6	46.8 -	51.6	I	ppm	Abundant naturally occurring element.
Chloride	2023		14.4	10.3 -	10.3 - 14.4 p		ppm	Abundant naturally occurring element; used in water purification; by-product of oil field activity.
Iron	2023	Levels lowe	er than detect level	0 -	pt 0 - 0		ppm	Erosion of natural deposits; iron or steel water delivery equipment or facilities.
Magnesium	2023		2.58	2.58 -	2.58 - 2.58 pp		ppm	Abundant naturally occurring element.
Manganese	2023		0.107	0.024 -	0.107	I	ppm	Abundant naturally occurring element.
Nickel	2023		0.0039	0.0039 -	0.0039	I	ppm	Erosion of natural deposits.
рН	2023		8.6	7.6 -	8.6	ι	units	Measure of corrosivity of water.
Silver	2023	Levels lowe	er than detect level	0 -	0	I	ppm	Erosion of natural deposits.
Sodium	2023		34.9	24.2 -	34.9	I	ppm	Erosion of natural deposits; by-product of oil field activ
Sulfate	2023		81.1	60.4 -	81.1	I	ppm	Naturally occurring; common industrial by-product; by- product of oil field activity.
Total Alkalinity as CaCO3	2023		137	111 -	137	1	ppm	Naturally occurring soluble mineral salts.
Total Dissolved Solids	2023		263	223 -	263	I	ppm	Total dissolved mineral constituents in water.
Total Hardness as CaCO3	2023		138	104 -	138	I	ppm	Naturally occurring calcium.
Zinc	2023	Levels lowe	er than detect level	0 -	0		ppm	Moderately abundant naturally occurring element used the metal industry.
			Viol	ations Ta	able			
Violation Type	Violation Begin	Violation End				Violat	ion Explana	ition

			VD Tawakoni Water Quality		_			nts				
				form Bac								
Maximum Contaminant Level Goal	Total Coliform Maximum Contaminant Level		Contaminant Level		Contaminant Level		Highest No. of Positive	Fecal Coliform or E. Coli Maximum Contaminant Level	Pos E. Coli Col	No. of sitive or Fecal iform mples	Violation	Likely Source of Contamination
0 NOTE: Reported monthly tes		monthly sample	0.00 Coliforms are bacteria that ar	0 e naturally pres	sent in the	0 environme	No ent and are use	Naturally present in the environment. d as an indicator that other.				
potentially harmful bacteria m												
	Regulated Contaminants											
Disinfection By- Products	Collection Date	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Units	Violation	Likely Source of Contamination				
Total Haloacetic Acids (HAA5)	2023	28.90	13.1 - 28.9	No goal for the total	60	ppb	No	By-product of drinking water disinfection.				
Total Trihalomethanes (TTHM)	2023	56.00	22.8 - 56.0	No goal for the total	80	ppb	No	By-product of drinking water disinfection.				
Bromate	2023	Levels lower than detect level	0 - 0	5	10	ppb	No	By-product of drinking water ozonation.				
IOTE: Not all sample results may have been used for calculating the Highest Level Detected because some results may be part of an evaluation to determine where compliance ampling should occur in the future. TCEQ only requires one sample annually for compliance testing. For Bromate, compliance is based on the running annual average.												
Inorganic Contaminants	Collection Date	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Units	Violation	Likely Source of Contamination				
Antimony	2023	Levels lower than detect level	0 - 0	6	6	ppb	No	Discharge from petroleum refineries; fire retardants; ceramics; electronics; solder; and test addition.				
Arsenic	2023	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	2023	0.063	0.063 - 0.063	2	2	ppm	No	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits.				
Beryllium	2023	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	2023	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	2023	Levels lower than detect level	0 - 0	100	100	ppb	No	Discharge from steel and pulp mills; erosion of natural deposits.				
Cyanide	2023	Levels lower than detect level	0 - 0	200	200	ppb	No	Discharge from steel/metal factories; Discharge from plastics and fertilizer factories.				
Fluoride	2023	0.664	0.664 - 0.664	4	4	ppm	No	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories.				
Mercury	2023	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)	2023	0.379	0.379 - 0.379	10	10	ppm	No	Runoff from fertilizer use; leaching from septic tanks; sewage; erosion of natural deposits.				
Selenium	2023	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	2023	Levels lower than detect level	0 - 0	0.5	2	ppb	No	Discharge from electronics, glass, and leaching from ore- processing sites; drug factories. drinking water can cause blue				
								orinking water can cause blue bu should 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	2021	4.8	4.8 - 4.8	0	50	pCi/L	No	Decay of natural and man-made deposits.				
Gross alpha excluding radon and uranium	2021	Levels lower than detect level	0 - 0	0	15	pCi/L	No	Erosion of natural deposits.				
Radium	2021	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 2023 (Cont.)

	Water Quality Data for Year 2023 (Cont.)											
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)	2021	Levels lower than detect level	0 - 0	50	50	ppb	No	Residue of banned herbicide.				
2, 4 - D	2021	Levels lower than detect level	0 - 0	70	70	ppb	No	Runoff from herbicide used on row crops.				
Alachlor	2021	Levels lower than detect level	0 - 0	0	2	ppb	No	Runoff from herbicide used on row crops.				
Aldicarb	2021	Levels lower than detect level	0 - 0	1	3	ppb	No	Runoff from agricultural pesticide.				
Aldicarb Sulfone	2021	Levels lower than detect level	0 - 0	1	2	ppb	No	Runoff from agricultural pesticide.				
Aldicarb Sulfoxide	2021	Levels lower than detect level	0 - 0	1	4	ppb	No	Runoff from agricultural pesticide.				
Atrazine	2021	0.1	0.1 - 0.1	3	3	ppb	No	Runoff from herbicide used on row crops.				
Benzo (a) pyrene	2021	Levels lower than detect level	0 - 0	0	200	ppt	No	Leaching from linings of water storage tanks and distribution lines.				
Carbofuran	2021	Levels lower than detect level	0 - 0	40	40	ppb	No	Leaching of soil fumigant used on rice and alfalfa.				
Chlordane	2021	Levels lower than detect level	0 - 0	0	2	ppb	No	Residue of banned termiticide.				
Dalapon	2021	Levels lower than detect level	0 - 0	200	200	ppb	No	Runoff from herbicide used on rights of way.				
Di (2-ethylhexyl) adipate	2021	Levels lower than detect level	0 - 0	400	400	ppb	No	Discharge from chemical factories.				
Di (2-ethylhexyl) phthalate	2021	Levels lower than detect level	0 - 0	0	6	ppb	No	Discharge from rubber and chemical factories.				
Dibromochloropropane (DBCP)	2021	Levels lower than detect level	0 - 0	0	200	ppt	No	Runoff / leaching from soil fumigant used on soybeans, cotton, pineapples, and orchards.				
Dinoseb	2021	Levels lower than detect level	0 - 0	7	7	ppb	No	Runoff from herbicide used on soybeans and vegetables.				
Endrin	2021	Levels lower than detect level	0 - 0	2	2	ppb	No	Residue of banned insecticide.				
Ethylene dibromide	2021	Levels lower than detect level	0 - 0	0	50	ppt	No	Discharge from petroleium refineries.				
Heptachlor	2021	Levels lower than detect level	0 - 0	0	400	ppt	No	Residue of banned termiticide.				
Heptachlor epoxide	2021	Levels lower than detect level	0 - 0	0	200	ppt	No	Breakdown of heptachlor.				
Hexachlorobenzene	2021	Levels lower than detect level	0 - 0	0	1	ppb	No	Discharge from metal refineries and agricultural chemical factories.				
Hexachlorocyclopentadie ne	2021	Levels lower than detect level	0 - 0	50	50	ppb	No	Discharge from chemical factories.				
Lindane	2021	Levels lower than detect level	0 - 0	200	200	ppt	No	Runoff / leaching from insecticide used on cattle, lumber, and gardens.				
Methoxychlor	2021	Levels lower than detect level	0 - 0	40	40	ppb	No	Runoff / leaching from insecticide used on fruits, vegetables, alfalfa, and livestock.				
Oxamyl [Vydate]	2021	Levels lower than detect level	0 - 0	200	200	ppb	No	Runoff / leaching from insecticide used on apples, potatoes, and tomatoes.				
Pentachlorophenol	2021	Levels lower than detect level	0 - 0	0	1	ppb	No	Discharge from wood preserving factories.				
Picloram	2021	Levels lower than detect level	0 - 0	500	500	ppb	No	Herbicide runoff.				
Simazine	2021	Levels lower than detect level	0 - 0	4	4	ppb	No	Herbicide runoff.				
Toxaphene	2021	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	2023	Levels lower than detect level	0 - 0	200	200	ppb	No	Discharge from metal degreasing sites and other factories.				
1, 1, 2 - Trichloroethane	2023	Levels lower than detect level	0 - 0	3	5	ppb	No	Discharge from industrial chemical factories.				
1, 1 - Dichloroethylene	2023	Levels lower than detect level	0 - 0	7	7	ppb	No	Discharge from industrial chemical factories.				
1, 2, 4 - Trichlorobenzene	2023	Levels lower than detect level	0 - 0	70	70	ppb	No	Discharge from textile-finishing factories.				
1, 2 - Dichloroethane	2023	Levels lower than detect level	0 - 0	0	5	ppb	No	Discharge from industrial chemical factories.				
1, 2 - Dichloropropane	2023	Levels lower than detect level	0 - 0	0	5	ppb	No	Discharge from industrial chemical factories.				
Benzene	2023	Levels lower than	0 - 0	0	5	ppb	No	Discharge from factories; leaching from gas storage tanks and landfills.				
	2025	detect level	• •			1-1		tanks and fandillis.				

			VD Tawakoni er Quality Da		-			
Volatile Organic Contaminants	Collection Date	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Units	Violation	- Likely Source of Contamination
Chlorobenzene	2023	Levels lower than detect level	0 - 0	100	100	ppb	No	Discharge from chemical and agricultural chemical factories.
Dichloromethane	2023	Levels lower than detect level	0 - 0	0	5	ppb	No	Discharge from pharmaceutical and chemical factories.
Ethylbenzene	2023	Levels lower than detect level	0 - 0	0	700	ppb	No	Discharge from petroleum refineries.
Styrene	2023	Levels lower than detect level	0 - 0	100	100	ppb	No	Discharge from rubber and plastic factories; leaching from landfills.
Tetrachloroethylene	2023	Levels lower than detect level	0 - 0	0	5	ppb	No	Discharge from factories and dry cleaners.
Toluene	2023	Levels lower than detect level	0 - 0	1	1	ppm	No	Discharge from petroleum factories.
Trichloroethylene	2023	Levels lower than detect level	0 - 0	0	5	ppb	No	Discharge from metal degreasing sites and other factories.
Vinyl Chloride	2023	Levels lower than detect level	0 - 0	0	2	ppb	No	Leaching from PVC piping; discharge from plastics factories.
Xylenes	2023	Levels lower than detect level	0 - 0	10	10	ppm	No	Discharge from petroleum factories; discharge from chemical factories.
cis - 1, 2 - Dichloroethylene	2023	Levels lower than detect level	0 - 0	70	70	ppb	No	Discharge from industrial chemical factories.
o - Dichlorobenzene	2023	Levels lower than detect level	0 - 0	600	600	ppb	No	Discharge from industrial chemical factories.
p - Dichlorobenzene	2023	Levels lower than detect level	0 - 0	75	75	ppb	No	Discharge from industrial chemical factories.
trans - 1, 2 - Dicholoroethylene	2023	Levels lower than detect level	0 - 0	100	100	ppb	No	Discharge from industrial chemical factories.
	1			Turbidity				
			Limit (Treatment Tech	(Treatment Technique) Level I			Violation	Likely Source of Contamination
Highest single measure			1 NTU		-	.26	No	Soil runoff.
Lowest monthly percent NOTE: Turbidity is a measur			0.3 NTU caused by suspended partic	cles. We monit		00% use it is a c	No nood indicator o	Soil runoff. of water quality and the effectiveness
of our filtration.			cadeed by edepended parts					
			Maximum Res	idual Disi	nfecta	nt Leve	el	
				Maximum				
Disinfectant Type Chlorine Residual	Year	Average Level	Minimum Level	Level	MRDL	MRDLG	Units	Source of Chemical
(Chloramines)	2023	3.11	1.03	3.95	4.00	<4.0	ppm	Disinfectant used to control microbes.
Chlorine Dioxide	2023	0.01	0	0.26	0.80	0.80	ppm	Disinfectant.
Chlorite	2023	0.31 tain a minimum chlor	0	0.88	1.00	N/A	ppm	Disinfectant. ting with chloramines and an annual
average chlorine disinfection r				l oi o.5 parts pe		(ppin) ioi sy	Sterns dismiec	
			Total	Organic C	arbon			
	Collection Date		hest Level Detected	Range of Detect		ι	Jnits	Likely Source of Contamination
			vas measured each month and the system met all TOC remova				emoval requi	rements set.
The percentage of Total O	roanic Carbo	n (TOC) removal w	as measured each moni		1			
The percentage of Total O	rganic Carbo	n (TOC) removal w	Cryptospo	1	nd Gia	rdia		
The percentage of Total O	rganic Carbon Collection Date	High	Cryptospo nest Level	1	Levels		Inits	Likely Source of Contamination
	Collection	Higt	Cryptospo	Range of I	Levels ted	U	Jnits Cysts/L	Likely Source of Contamination Human and animal fecal waste. Naturally present in the environment.
Contaminants	Collection Date 2023 2023	High D Levels lowe	Cryptospo nest Level etected er than detect level er than detect level	Range of Detect 0 - 0 0 - 0	Levels	(Oo)		Human and animal fecal waste. Naturally present in the

			VD Tawakon				
		Wate	er Quality Da	ata for Year	2023	(Cont	.)
			Lea	d and Copper			
Lead and Copper	Date Sampled	Action Level (AL)	90th Percentile	# Sites Over AL	Units	Violation	Likely Source of Contamination
Lead	7/22/2022	15	0.95	0	ppb	No	Erosion of natural deposits; leaching from wood preservatives; corrosion of household plumbing system
Copper	7/22/2022	1.3	0.473	0	ppm	No	Corrosion of household plumbing systems; erosion of natural deposits.
Lead and Copper enter drinkin ADDITIONAL HEALTH INFOR In drinking water is primarily from but cannot control the variety	g water mainly MATION FOR m materials and of materials us ds to 2 minutes water, testing	from corrosion of plu LEAD: If present, ele d components associa ed in plumbing compo- s before using water for	mbing materials containing wated levels of lead can can ted with service lines and ho onents. When your water h or drinking or cooking. If yo	lead and copper. use serious health proble me plumbing. Talty SUD is as been sitting for severa u are concerned about lea	ms, especia s responsibl l hours, you ad in your w	ally for pregnar e for providing h ı can minimize vater, you may	the potential for lead exposure by wish to have your water tested.
			Unregul	ated Contamina	nts		1
Contaminants	Collection Date	-	nest Level etected	Range of Levels Detected	ι	Jnits	Likely Source of Contamination
Chloroform	2023		27	10.5 - 27.0	1	ppb	By-product of drinking water disinfection. By-product of drinking water disinfection.
Bromoform Bromodichloromethane	2023 2023		1.87 17.6	<1.00 - 1.87 7.57 - 17.6	1	ppb ppb	By-product of drinking water disinfection. By-product of drinking water disinfection.
Dibromochloromethane	2023		9.92	3.88 - 9.92		daa	By-product of drinking water disinfection.
		romethane, and dibro				11	inant level for these chemicals at
e entry point to distribution.							
		Se	condary and Oth	er Constituents	Not Re	gulated	
Contaminants	Collection Date	High	nest Level etected	Range of Levels Detected	Units		Likely Source of Contamination
Aluminum	2023		0.025	0.025 - 0.025	ppm		Erosion of natural deposits.
Calcium	2023		45.2	33.8 - 45.2	ppm		Abundant naturally occurring element.
Chloride	2023		21.9	14.7 - 21.9		ppm	Abundant naturally occurring element; used in water purification; by-product of oil field activity.
Iron	2023	Levels lowe	r than detect level	0 - 0	ppm		Erosion of natural deposits; iron or steel water deliver equipment or facilities.
Magnesium	2023		2.89	2.89 - 2.89		ppm	Abundant naturally occurring element.
Manganese	2023		0.0041	0.0041 - 0.0041		ppm	Abundant naturally occurring element.
Nickel	2023		0.0031	0.0031 - 0.0031		ppm	Erosion of natural deposits.
рН	2023		8.3	7.4 - 8.3		units	Measure of corrosivity of water.
Silver	2023	Levels lowe	er than detect level	0 - 0		ppm	Erosion of natural deposits.
Sodium	2023		75.0	16.2 - 20.6		ppm	Erosion of natural deposits; by-product of oil field acti Naturally occurring; common industrial by-product; by
Sulfate otal Alkalinity as CaCO3	2023		75.0	47.5 - 75.0 40 - 79		ppm	product of oil field activity. Naturally occurring soluble mineral salts.
Total Dissolved Solids	2023		212	136 - 212		ppm	Total dissolved mineral constituents in water.
Total Hardness as CaCO3	2023		128	79 - 128		ppm	Naturally occurring calcium.
Zinc	2023	Levels lowe	er than detect level	0 - 0		ppm	Moderately abundant naturally occurring element use the metal industry.
					-		<u> </u>
			Vic	olations Table			
Violation Type	Violation Begin	Violation End			Violati		

			MWD Wylie V Water Quality					\$			
			Coli	iform Bact	eria						
Maximum Contaminant Level Goal	Contar	form Maximum hinant Level nonthly sample	Highest No. of Positive 0.00	Fecal Coliform or E Coli Maximum Contaminant Level 0	Pos E. Coli Col	No. of sitive or Fecal iform nples	Violation	Likely Source of Contamination			
NOTE: Reported monthly tes	ts found no feca			-	ent in the	•					
potentially harmful bacteria m	ay be present.										
			Regula	ted Contar	ninan	ts	1				
Disinfection By- Products	Collection Date	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Units	Violation	Likely Source of Contamination			
Total Haloacetic Acids (HAA5)	2023	28.9	13.1 - 28.9	No goal for the total	60	ppb	No	By-product of drinking water disinfection.			
Total Trihalomethanes (TTHM)	2023	56	22.8 - 56.0	No goal for the total	80	ppb	No	By-product of drinking water disinfection.			
Bromate	2023	Levels lower than detect level	0 - 0	5	10	ppb	No	By-product of drinking water ozonation.			
								n to determine where compliance			
A constraint of the second sec											
Inorganic Contaminants	Date	Detected	Detected	MCLG	MCL	Units	Violation	Likely Source of Contamination			
Antimony	2023	Levels lower than detect level	0 - 0	6	6	ppb	No	Discharge from petroleum refineries; fire retardants; ceramics; electronics; solder; and test addition.			
Arsenic	2023	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	2023	0.048	0.041 - 0.048	2	2	ppm	No	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits.			
Beryllium	2023	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	2023	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	2023	Levels lower than detect level	0 - 0	100	100	ppb	No	Discharge from steel and pulp mills; erosion of natural deposits.			
Cyanide	2023	199	28 - 199	0 - 0	200	ppb	No	Discharge from steel/metal factories; Discharge from plastics and fertilizer factories.			
Fluoride	2023	0.968	0.537 - 0.968	4	4	ppm	No	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories.			
Mercury	2023	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)	2023	0.790	0.067 - 0.790	10	10	ppm	No	Runoff from fertilizer use; leaching from septic tanks; sewage; erosion of natural deposits.			
Selenium	2023	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	2023	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 dr baby syndrome. Nitrate levels care provider.								drinking water can cause blue ou should 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	2022	4.7	4.7 - 4.7	0	50	pCi/L	No	Decay of natural and man-made deposits.			
Gross alpha excluding radon and uranium	2022	Levels lower than detect level	0 - 0	0	15	pCi/L	No	Erosion of natural deposits.			
Radium	2022	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 2023 (Cont.)

		Wat	er Quality Da	ata for `	Year	2023	(Cont	.)
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	2023	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	2023	0.2	0.1 - 0.2	3	3	ppb	No	Runoff from herbicide used on row crops.
Benzo (a) pyrene	2023	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	2023	Levels lower than detect level	0 - 0	400	400	ppb	No	Discharge from chemical factories.
Di (2-ethylhexyl) phthalate	2023	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	2023	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	2023	Levels lower than detect level	0 - 0	0	400	ppt	No	Residue of banned termiticide.
Heptachlor epoxide	2023	Levels lower than detect level	0 - 0	0	200	ppt	No	Breakdown of heptachlor.
Hexachlorobenzene	2023	Levels lower than detect level	0 - 0	0	1	ppb	No	Discharge from metal refineries and agricultural chemical factories.
Hexachlorocyclopentadie ne	2022	Levels lower than detect level	0 - 0	50	50	ppb	No	Discharge from chemical factories.
Lindane	2023	Levels lower than detect level	0 - 0	200	200	ppt	No	Runoff / leaching from insecticide used on cattle, lumber, and gardens.
Methoxychlor	2023	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	2023	0.12	0.06 - 0.12	4	4	ppb	No	Herbicide runoff.
Toxaphene	2023	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	2023	Levels lower than detect level	0 - 0	200	200	ppb	No	Discharge from metal degreasing sites and other factories.
1, 1, 2 - Trichloroethane	2023	Levels lower than detect level	0 - 0	3	5	ppb	No	Discharge from industrial chemical factories.
1, 1 - Dichloroethylene	2023	Levels lower than detect level	0 - 0	7	7	ppb	No	Discharge from industrial chemical factories.
1, 2, 4 - Trichlorobenzene	2023	Levels lower than detect level	0 - 0	70	70	ppb	No	Discharge from textile-finishing factories.
1, 2 - Dichloroethane	2023	Levels lower than detect level	0 - 0	0	5	ppb	No	Discharge from industrial chemical factories.
1, 2 - Dichloropropane	2023	Levels lower than detect level	0 - 0	0	5	ppb	No	Discharge from industrial chemical factories.
Benzene	2023	Levels lower than detect level	0 - 0	0	5	ppb	No	Discharge from factories; leaching from gas storage tanks and landfills.
Carbon Tetrachloride	2023	Levels lower than detect level	0 - 0	0	5	ppb	No	Discharge from chemical plants and other industrial activities.

			MWD Wylie V					
		Wate	er Quality Da	ata for \	<i>lear</i>	2023	(Cont	.)
Volatile Organic Contaminants	Collection Date	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Units	Violation	Likely Source of Contamination
Chlorobenzene	2023	Levels lower than detect level	0 - 0	100	100	ppb	No	Discharge from chemical and agricultural chemical factories.
Dichloromethane	2023	Levels lower than detect level	0 - 0	0	5	ppb	No	Discharge from pharmaceutical and chemical factories.
Ethylbenzene	2023	Levels lower than detect level	0 - 0	0	700	ppb	No	Discharge from petroleum refineries.
Styrene	2023	Levels lower than detect level	0 - 0	100	100	ppb	No	Discharge from rubber and plastic factories; leaching from landfills.
Tetrachloroethylene	2023	Levels lower than detect level	0-0 0		5	ppb	No	Discharge from factories and dry cleaners.
Toluene	2023	Levels lower than detect level	0 - 0	1	1	ppm	No	Discharge from petroleum factories.
Trichloroethylene	2023	Levels lower than detect level	0 - 0	0	5	ppb	No	Discharge from metal degreasing sites and other factori
Vinyl Chloride	2023	Levels lower than detect level	0 - 0	0	2	ppb	No	Leaching from PVC piping; discharge from plastics factories.
Xylenes	2023	Levels lower than detect level	0 - 0	10	10	ppm	No	Discharge from petroleum factories; discharge from chemical factories.
cis - 1, 2 - Dichloroethylene	2023	Levels lower than detect level	0 - 0	70	70	ppb	No	Discharge from industrial chemical factories.
o - Dichlorobenzene	2023	Levels lower than detect level	0 - 0	600	600	ppb	No	Discharge from industrial chemical factories.
p - Dichlorobenzene	2023	Levels lower than detect level	0 - 0	75	75	ppb	No	Discharge from industrial chemical factories.
trans - 1, 2 - Dicholoroethylene	2023	Levels lower than detect level	0 - 0	100	100	ppb	No	Discharge from industrial chemical factories.
	1	1		Turbidity				
			Limit	nique)		Dotoctod	Violation	Likely Source of Contamination
lighest single measure	ment		(Treatment Technique) 1 NTU		Level Detected 0.73		No	Soil runoff.
owest monthly percen			0.3 NTU			8.0%	No	Soil runoff.
OTE: Turbidity is a measu our filtration.	rement of the clo	oudiness of the water	caused by suspended partic	cles. We monito	r it becau	se it is a go	ood indicator o	f water quality and the effectiveness
		,	Maximum Res	sidual Disi	nfecta	nt Leve	əl	
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)	2023	3.11	1.03	3.95	4.00	<4.0	ppm	Disinfectant used to control microbes.
Chlorine Dioxide	2023	0.01	0	0.59	0.80	0.80	ppm	Disinfectant.
Chlorite	2023	0.16	0	0.88	1.00	N/A	ppm	Disinfectant.
OTE: Water providers are rerage chlorine disinfection				l of 0.5 parts per	million (p	pm) for sys	stems disinfec	ting with chloramines and an annual
	1	i i	Total	Organic C	arbon	ī 	į.	
he percentage of Total C)rganic Carbor	n (TOC) removal w	as measured each mont	1	1		moval requir	ements set
				oridium ar				
Contaminants	Collection Date		nest Level etected	Range of L Detect	evels		Inits	Likely Source of Contamination
Cryptosporidium	2023		0	0 - 0			Cysts/L	Human and animal fecal waste. Naturally present in the environment.
				0.09 - 0.18		. , .		Human and animal fecal waste. Naturally present in the
Giardia	2023		0.18	0.09 - 0.	.18	(Oo)	Cysts/L	environment.

		wat	er Quality Da	ata for Year	2023	(Cont	t.)		
			Lea	ad and Copper					
Lead and Copper	Date Sampled	Action Level (AL)	90th Percentile	# Sites Over AL	Units	Violation	Likely Source of Contamination		
Lead	7/22/2022	15	0.95	0	ppb	No	Corrosion of household plumbing systems; erosion of		
				-	1-1		natural deposits. Erosion of natural deposits; leaching from wood		
Copper	7/22/2022	1.30	0.473	0	ppm	No	preservatives; corrosion of household plumbing system		
drinking water is primarily fr at cannot control the variety	MATION FOR L om materials and of materials used ds to 2 minutes water, testing	EAD: If present, ele nd components asso ed in plumbing comp before using water	evated levels of lead can cau ociated with service lines an onents. When your water ha or drinking or cooking. If you	use serious health problem d home plumbing. Talty S as been sitting for several u are concerned about lea	UD is respo hours, you d in your wa	nsible for prov can minimize ater, you may	t women and young children. Lead iding high quality drinking water, the potential for lead exposure by wish to have your water tested. Hotline or		
			Unregul	lated Contamina	nts	1			
Orantaminanta	Collection	-	hest Level	Range of Levels					
Contaminants Chloroform	Date 2023	C	27	Detected 10.5 - 27.0		Jnits ppb	Likely Source of Contamination By-product of drinking water disinfection.		
Bromoform	2023		1.87	<1.00 - 1.87		ppb	By-product of drinking water disinfection.		
Bromodichloromethane	2023		17.6	7.57 - 17.6		ppb	By-product of drinking water disinfection.		
Dibromochloromethane DTE: Bromoform, chloroforr	2023 n, bromodichlor	omethane. and dibro	9.92 mochloromethane are disin	3.88 - 9.92 fection by-products. There		ppb mum contami	By-product of drinking water disinfection. nant level for these chemicals at		
			the Disinfection By-Produc			Contain			
		S	econdary and Oth	ner Constituents	Not Re	gulated			
	Collection	-	hest Level	Range of Levels		<u>.</u>			
Contaminants	Date		etected	Detected	L	Inits	Likely Source of Contamination		
Aluminum	2023	Levels low	er than detect level	0 - 0	I	opm	Erosion of natural deposits.		
Calcium	2023		69.8	26.5 - 69.8	1	opm	Abundant naturally occurring element.		
Chloride	2023		107	30 - 107		opm	Abundant naturally occurring element; used in water purification; by-product of oil field activity.		
Iron	2023		0.516	0.061 - 0.516		opm	Erosion of natural deposits; iron or steel water delivery equipment or facilities.		
Magnesium	2023		9.77	4.90 - 9.77		opm	Abundant naturally occurring element.		
Manganese	2023		0.158			opm	Abundant naturally occurring element.		
Nickel	2023	0.0048		0.0068 - 0.158		opm	Erosion of natural deposits.		
рН	2023	9.17		6.39 - 9.17		units	Measure of corrosivity of water.		
Silver	2023	Levels low	9.17 Levels lower than detect level			opm	Erosion of natural deposits.		
				0 - 0 26.5 - 95.4		-	Erosion of natural deposits; by-product of oil field activ		
Sodium	2023		95.4			opm	Naturally occurring; common industrial by-product; by-		
Sulfate	2023		171	76.8 - 171		opm	product of oil field activity.		
otal Alkalinity as CaCO3	2023		139	51 - 139		opm	Naturally occurring soluble mineral salts.		
Total Dissolved Solids Total Hardness as	2023		492	263 - 492	I	opm	Total dissolved mineral constituents in water.		
CaCO3	2023		312	82 - 312	I	opm	Naturally occurring calcium.		
Zinc	2023	Levels low	er than detect level	0 - 0		opm	Moderately abundant naturally occurring element used the metal industry.		
			Vie	olations Table					
Violation True	Violation	Violetica E				·			
Violation Type	Begin	Violation End	requirements set by Tex Public water systems ar We failed to monitor and	as Commission on En re required to collect an d/or report the following	em PWS II vironmenta d submit c constituer	al Quality (TC hemical sar its: Nitrate	4 has violated the monitoring and reporting CEQ) in Chapter 30, Section 290< Subchapter F. nples to the TCEQ on a regular basis.		
IITRATE MONITORING,	Jan-23	Mar-23	Results of regular monit We did not complete all safety of your drinking w	oring are an indicator o monitoring and/or repo ater during that time.	nonitoring period(s): First Quarter 01/01/2023 - 3/31/2023 cator of whether or not your drinking water is safe from chemical conta or reporting for chemical constituents, and therefore TCEQ cannot be s ime.				
ROUTINE MAJOR	0a1-20		results are within compli the results were release	iance criteria. The viola d to TCEQ the violation	tion was d 1 was reso	ue to a delay lved.	was taken during the required sampling period ar y in receiving lab results from a third-party lab. On		
			Please share this information with all people who drink this water, especially those who may not have receive directly (i.e., people in apartments, nursing homes, schools, and businesses). You can do this by posting thi public place or distributing copies by hand or mail. If you have questions concerning this matter you may contact NTMWD Water System Manger - Treatment M						
			If you have questions co Bowden at (972) 608- 70		u may cor	ILACE IN EIVIVVI	u water System wanger - Freatment Mr. Gabriel		
			Posted/Delivered on: 3-2						