

## NTMWD Wylie Water Treatment Plants

### Monthly Water Quality Data For July 2024

#### Coliform Bacteria

Maximum Contaminant Level Goal	Total Coliform Maximum Contaminant Level	Highest No. of Positive	Fecal Coliform or E. Coli Maximum Contaminant Level	Total No. of Positive E. Coli or Fecal Coliform Samples	Violation	Likely Source of Contamination
0	1 positive monthly sample	0	0	0	No	Naturally present in the environment.

NOTE: Reported monthly tests found no fecal coliform bacteria. Coliforms are bacteria that are naturally present in the environment and are used as an indicator that other, potentially harmful, bacteria may be present.

#### Regulated Contaminants

Disinfectants and Disinfection By-Products	Collection Date	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Units	Violation	Likely Source of Contamination
Total Haloacetic Acids (HAA5)	Jul 2024	35.2	30.5 - 35.2	No goal for the total	60	ppb	No	By-product of drinking water disinfection.
Total Trihalomethanes (TTHM)	Jul 2024	53.5	38.5 - 53.5	No goal for the total	80	ppb	No	By-product of drinking water disinfection.

NOTE: Monthly independent lab testing results for disinfection by-products (DBPs) in NTMWD transmission system. Sampling locations represent a cross-section of average water ages in the NTMWD transmission system. As a wholesale water provider with less than 500 direct customers, TCEQ only requires one sample annually for Disinfection By Products (DBPs) compliance testing. In addition to TCEQ required testing on the NTMWD regional system, over 300 samples of water initially treated by NTMWD are tested for DBPs each year within the city/local water systems to comply with TCEQ

Bromate	Jul 2024	Levels lower than detect level	Levels lower than detect level	5	10	ppb	No	By-product of drinking water ozonation.
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NOTE: For Bromate, compliance is based on the running annual average.

Inorganic Contaminants	Collection Date	Raw (Source Water)	Treated (Finished Water)	MCLG	MCL	Units	Violation	Likely Source of Contamination
Arsenic	Jul 2024	2.07 - 7.39	0.676 - 1.11	0	10	ppb	No	Erosion of natural deposits; runoff from orchards; runoff from glass and electronics production wastes.
Barium	Jul 2024	0.0399 - 0.133	0.0384 - 0.0744	2	2	ppm	No	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits.
Cadmium	Jul 2024	Levels lower than detect level	Levels lower than detect level	5	5	ppb	No	Corrosion of galvanized pipes; erosion of natural deposits; discharge from metal refineries; runoff from waste batteries and paints.
Chromium	Jul 2024	Levels lower than detect level	Levels lower than detect level	100	100	ppb	No	Discharge from steel and pulp mills; erosion of natural deposits.
Fluoride	Jul 2024	0.203 - 0.289	0.224 - 0.852	4	4	ppm	No	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories.
Mercury	Jul 2024	Levels lower than detect level	Levels lower than detect level	2	2	ppb	No	Erosion of natural deposits; discharge from refineries and factories; runoff from landfills; runoff from cropland.
Nitrate (measured as Nitrogen)	Jul 2024	0.020 - 0.123	0.044 - 0.094	10	10	ppm	No	Runoff from fertilizer use; leaching from septic tanks; sewage; erosion of natural deposits.
Selenium	Jul 2024	1.73 - 2.03	Levels lower than detect level	50	50	ppb	No	Discharge from petroleum and metal refineries; erosion of natural deposits; discharge from mines.

Nitrate Advisory: Nitrate in drinking water at levels above 10 ppm is a health risk for infants of less than six months of age. High nitrate levels in drinking water can cause blue baby syndrome. Nitrate levels may rise quickly for short periods of time because of rainfall or agricultural activity. If you are caring for an infant you should ask advice from your health care provider.

#### Turbidity

	Limit (Treatment Technique)	Level Detected	Violation	Likely Source of Contamination
Highest single measurement	1 NTU	0.29	No	Soil runoff.
Lowest monthly percentage (%) meeting limit	0.3 NTU	100%	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	Range of Levels Detected	MRDL	MRDLG	Units	Source of Chemical
Chlorine Residual (Chloramines)	Jul 2024	2.93	1.31 - 3.37	4.00	<4.0	ppm	Disinfectant used to control microbes.
Chlorine Dioxide	Jul 2024	0.02	0.00 - 0.27	0.80	0.80	ppm	Disinfectant.
Chlorite	Jul 2024	0.30	0.00 - 0.92	1.00	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 annual average chlorine disinfection residual level of between 0.5 (ppm) and 4 parts per million (ppm).

#### Total Organic Carbon

NOTE: The percentage of Total Organic Carbon (TOC) Removal was measured through the month, and the system met all TOC Removal requirements set.

#### Cryptosporidium and Giardia

Contaminants	Collection Date	Raw (Source Water)	Treated (Finished Water)	Units	Likely Source of Contamination
Cryptosporidium	Jul 2024	Levels lower than detect level	Levels lower than detect level	(Oo) Cysts/L	Human and animal fecal waste. Naturally present in the environment.
Giardia	Jul 2024	Levels lower than detect level	Levels lower than detect level	(Oo) Cysts/L	Human and animal fecal waste. Naturally present in the environment.

