

2022 WATER QUALITY REPORT FOR THORNTON WATER SUPPLY

This report contains important information regarding the water quality in our water system. The source of our water is groundwater. Our water quality testing shows the following results:

CONTAMINANT	MCL - (MCLG)	Compliance		Date	Violation	Source
		Type	Value & (Range)			
Total Trihalomethanes (ppb) [TTHM]	80 (N/A)	LRAA	22.00 (22 - 22)	09/30/2022	No	By-products of drinking water chlorination
Lead (ppb)	AL=15 (0)	90th	6.00 (1 - 10)	2020	No	Corrosion of household plumbing systems; erosion of natural deposits
Copper (ppm)	AL=1.3 (1.3)	90th	0.09 (0.01 - 0.15)	2020	No	Corrosion of household plumbing systems; Erosion of natural deposits; Leaching from wood preservatives
950 - DISTRIBUTION SYSTEM						
Chlorine (ppm)	MRDL=4.0 (MRDLG=4.0)	RAA	1.2 (0.6 - 1.8)	12/31/2022	No	Water additive used to control microbes
01 - S/EP FOR WELL # 1 (1955) AFTER TREATMENT						
Gross Alpha, inc (pCi/L)	15 (0)	SGL	2.4	04/25/2021	No	Erosion of natural deposits
Combined Radium (pCi/L)	5 (0)	SGL	2.7	07/07/2020	No	Erosion of natural deposits
Barium (ppm)	2 (2)	SGL	0.14	08/03/2022	No	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits
Fluoride (ppm)	4 (4)	SGL	1.9	08/03/2022	No	Water additive which promotes strong teeth; Erosion of natural deposits; Discharge from fertilizer and aluminum factories
Sodium (ppm)	N/A (N/A)	SGL	22	08/03/2022	No	Erosion of natural deposits; Added to water during treatment process
Nitrate [as N] (ppm)	10 (10)	SGL	0.3722	2022	No	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits
02 - S/EP FOR WELL # 2 (1988) AFTER TREATMENT						
Gross Alpha, inc (pCi/L)	15 (0)	SGL	2.3	04/25/2021	No	Erosion of natural deposits
Combined Radium (pCi/L)	5 (0)	SGL	4.3	07/07/2020	No	Erosion of natural deposits
Barium (ppm)	2 (2)	SGL	0.18	08/03/2022	No	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits
Fluoride (ppm)	4 (4)	SGL	2	08/03/2022	No	Water additive which promotes strong teeth; Erosion of natural deposits; Discharge from fertilizer and aluminum factories
Sodium (ppm)	N/A (N/A)	SGL	99	08/03/2022	No	Erosion of natural deposits; Added to water during treatment process
Nitrate [as N] (ppm)	10 (10)	SGL	0.1257	2022	No	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits