

Regulated contaminants not listed in this table were not found in the treated water supply

Regulated Substances

Parameter	Units	Compliance Achieved	MCLG	MCL	Highest Compliance Result	Range Detected	Typical Source
Inorganics							
Barium (2017) ⁵	ppm	Yes	2	2	0.1	ND to 0.1	Discharge of drilling watses; discharge from metal refineries; erosion of natural deposits
Nickel (2017) ^{1,5}	ppb	Yes	NA	NA	64	ND to 64	Erosion of natural deposits
Nitrate	ppm	Yes	10	10	1.62	ND to 1.62	Runoff from fertilizer use; industrial or domestic wastewater discharges; erosion of natural deposits
Turbidity							
Turbidity ²	NTU	Yes	NA	TT = 1 NTU	0.08	0.06 to 0.08	Soil runoff
	%	Yes	NA	TT = % of samples <0.3 NTU	100%	NA	Soil runoff
Treatment Byproducts Precursor Removal							
Total Organic Carbon (TOC)	%	Yes	NA	TT ≥35% Removal	49% ³	49% to 71%	Naturally present in the environment.
Ratio of Actual / Required TOC Removal	Ratio	Yes	NA	TT: Running Annual Average ≥ 1.0	1.40 ³	1.40 to 2.02	Naturally present in the environment.
Disinfectants							
Chlorine (Surface Water)	ppm	Yes	NA	TT = ≥ 0.20	0.60 ⁴	0.60 to 1.22	Water additive used to control microbes
		Yes	MRDLG = 4	MRDL = 4	1.22 ³		

Footnotes

¹ Nickel monitoring is required. Currently there is no established MCL or MCLG

² 100% of the turbidity readings were below the treatment technique requirement of 0.3 NTU. Turbidity is a measure of the cloudiness of the water and a good indicator of water quality. High turbidity can hinder the effectiveness of disinfectants.

³ Data represents the lowest removal of Total Organic Carbon (TOC)

⁴ Data represents the lowest residual entering the distribution system from our surface water treatment plant

⁵ The State of New Jersey allows us to monitor for certain contaminants less than once a year because the concentrations of these contaminants are not expected to vary significantly from year to year. Some of the data, though representative, are more than one year old.

Unregulated Contaminants Monitoring (UCMR4) 2019

Parameter	Units	Highest Locational Average	Range Detected	Typical Source
Manganese	ppb	11.5	ND to 12	Naturally-occurring elemental metal; largely used in aluminum alloy production. Essential dietary element.
2-Methoxyethanol	ppb	0.24	ND to 0.47	Used as a solvent in varnishes, dyes, resins, airplane deicing solutions. It is also used in organometallic chemistry synthesis.