

NEW JERSEY AMERICAN WATER

Delaware River Regional Water Treatment Plant

2017 Data Table of Detected Contaminants

Regulated Substances

Parameter	Units	Compliance Achieved?	MCLG	MCL	Highest Level Detected Result	Range Detected	Typical Source
Inorganics							
Nitrate	ppm	Yes	10	10	1.26	NA	Runoff from fertilizer use; industrial or domestic wastewater discharges; erosion of natural deposits
Turbidity							
Turbidity ¹	NTU	Yes	NA	TT = 1 NTU	0.09	0.01 to 0.09	Soil runoff
	%			TT = % of samples <0.3 NTU	100%	NA	
Treatment Byproducts Precursor Removal							
Total Organic Carbon (TOC)	%	Yes	NA	TT ≥ 35% Removal	45% ²	45% to 66%	Naturally present in the environment.
Ratio of Actual / Required TOC Removal	Ratio	Yes	NA	TT: Running Annual Average ≥ 1.0	1.3 ²	1.30 to 1.88	
Disinfectants							
Chlorine	ppm	Yes	NA	TT = ≥ 0.20	0.47 ³	0.47 to 0.93	Water additive used to control microbes
		Yes	MRDLG = 4	MRDL = 4	0.93 ³		
Disinfection By-Products							
Bromate	ppb	Yes	0	10	5	5	By-product of drinking water disinfection

Footnotes

¹ 100% of the turbidity readings were below the treatment technique requirement of 0.3 NTU. Turbidity is a measure of the cloudiness of the water. We monitor turbidity because it is a good indicator of water quality. High turbidity can hinder the effectiveness of disinfectants.

² Data represents the lowest removal of Total Organic Carbon (TOC)

³ Data represents the lowest and highest chlorine residuals entering the distribution system from our surface water treatment plant