

## NEW JERSEY AMERICAN WATER

### Western System - PWSID NJ 0327001      2017 Data Table of Detected Contaminants

Towns Served by this System: Audubon, Audubon Park, Barrington, Bellmawr in part, Beverly, Burlington Twp in part, Camden (11th & 12th wards, Cramer Hill), Cherry Hill in part, Cinnaminson, Clementon, Delanco, Delran, Edgewater Park, Elk Twp in part, Gibbsboro, Gloucester Twp in part, Haddonfield, Haddon Heights, Haddon Twp in part, Hi-Nella, Laurel Springs, Lawnside, Lindenwold, Magnolia, Maple Shade in part, Mt Ephraim, Mt Laurel in part, Oaklyn, Palmyra, Pennsauken in part, Riverside, Riverton, Runnemede, Somerdale, Stratford, Voorhees  
 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
<b>Inorganics</b>							
Barium	ppm	Yes	2	2	0.1	ND to 0.1	Discharge of drilling wates; discharge from metal refineries; erosion of natural deposits
Nickel	ppb	Yes	NA <sup>1</sup>	NA <sup>1</sup>	64	ND to 64	Erosion of natural deposits
Nitrate	ppm	Yes	10	10	1.92	ND to 1.92	Runoff from fertilizer use; industrial or domestic wastewater discharges; erosion of natural deposits
<b>Turbidity</b>							
Turbidity <sup>2</sup>	NTU	Yes	NA	TT = 1 NTU	0.09	0.01 to 0.09	Soil runoff
	%	Yes	NA	TT = % of samples <0.3 NTU	0.01	NA	Soil runoff
<b>Treatment Byproducts Precursor Removal</b>							
Total Organic Carbon (TOC)	%	Yes	NA	TT ≥35% Removal	45% <sup>3</sup>	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	1.30 to 1.88	Naturally present in the environment.
<b>Disinfectants</b>							
Chlorine (Surface Water)	ppm	Yes	NA	TT = ≥ 0.20	0.93 <sup>4</sup>	0.47 to 0.93	Water additive used to control microbes
<b>Disinfection By-Products</b>							
Bromate	ppb	Yes	0	10	5	5	By-product of drinking water disinfection
<b>Radiologicals</b>							
Alpha Emitters	pCi/L	Yes	0	15	5.9	4.61 to 5.9	Erosion of natural deposits
Combined Radium (226/228)	pCi/L	Yes	0	5	1.34	ND to 1.34	Erosion of natural deposits

#### Footnotes

<sup>1</sup> Nickel monitoring is required. Currently there is no established MCL or MCLG

<sup>2</sup> 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.

<sup>3</sup> Data represents the lowest removal of Total Organic Carbon (TOC)

<sup>4</sup> Data represents the lowest residual entering the distribution system from our surface water treatment plant