NJAW Western System NJ0327001

Table of Detected Contaminants (2024)

Contaminants not reported were not detected in the treated water supply

PRIMARY REGULATED SUBSTANCES

DISINFECTANTS - Collected at the Surface Water Treatment Plant							
Substance (with units)	Year Sampled	Compliance Achieved	MRDLG	MCL	Compliance Result [1]	Range Detected	Typical Source
Entry Point Chlorine Residual (ppm)	2024	Yes	4	TT: Results ≥ 0.2	0.74	0.74 to 1.18	Water additive used to control microbes.

1 - Data represents the lowest residual entering the distribution system from our water treatment plant.

TREATMENT BYPRODUCTS PRECURSOR REMOVAL - Collected at the Treatment Plant								
Substance (with units)	Year Sampled	Compliance Achieved	MCLG	MCL	Range of Removal Required	Range of Removal Achieved	Number of Quarters Out of Compliance	Typical Source
Total Organic Carbon (TOC), %	2024	Yes	NA	TT ≥ 35% Removal	35%	37.6% to 58.5%	0	Naturally present in the environment.
Actual/Required TOC Removal (Ratio)	2024	Yes	NA	TT: Running Annual Average ≥ 1.0	–	1.07 to 1.67	0	Naturally present in the environment.

TURBIDITY - Continuous Monitoring at the Treatment Plant							
Substance (with units)	Year Sampled	Compliance Achieved	MCLG	MCL	Highest Single Measurement and Lowest Monthly % of Samples <0.3 NTU	Sample Date of Highest and Lowest Compliance Result	Typical Source
Turbidity (NTU) [1]	2024	Yes	0	TT: Single result >1 NTU	< 0.1	NA	Soil runoff.
	2024	Yes	NA	TT: At least 95% of samples <0.3 NTU	100%	NA	Soil runoff.

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.

OTHER REGULATED SUBSTANCES - Collected at the Treatment Plant							
Substance (with units)	Year Sampled	Compliance Achieved	MCLG	MCL/SMCL	Highest Compliance Result	Range detected	Typical Source
Alpha Emitters (pCi/L)	2024	Yes	0	15	6.61	ND to 6.61	Erosion of natural deposits.
Arsenic (ppb)	2023	Yes	0	5	1	NA	Naturallyoccuring.
Barium (ppm)	2024	Yes	2	2	0.1	ND to 0.1	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits.
Fluoride (ppm)	2024	Yes	4	4	0.3	ND to 0.30	Natural element in rocks, soil, and water.
Bromate (ppb)	2024	Yes	10	NA	6	ND to 6	Disinfection byproduct.
Nickel (ppb) [1]	2024	Yes	NA	NA	8	ND to 8	Plumbing fixtures & piping; erosion of natural deposits.
Nitrate (ppm)	2024	Yes	5	10	2.41	ND to 2.41	Runoff from fertilizer use; industrial or domestic wastewater discharges; erosion of natural deposits.
Perfluorooctanoic acid (PFOA) (ppt) [2, 3]	2024	Yes	0	14	3.9	ND to 3.9	Used in Teflons, fire fighting foams, cleaners, cosmetics, lubricants, paints, polishes, adhesives, photo films.
Perfluorooctanesulfonic acid (PFOS) (ppt) [2, 3]	2024	Yes	0	13	3.7	ND to 3.7	Manmade chemical; used in products for stain, grease, heat and water resistance
Combined Radium Ra226 + Ra 228 (pCi/L)	2024	Yes	0	15	4.15	ND to 4.15	Erosion of natural deposits.

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

2 - PFAS chemicals are unique, so two PFAS chemicals at the same level typically do not present the same risk. Therefore, you should not compare the results for one PFAS chemical against the results of another.

3- For more information on the U.S. EPA's proposed PFAS drinking water standards, including the Hazard Index, please visit https://www.epa.gov/pfas.