

2024 NEW JERSEY AIR QUALITY INDEX (AQI) EXCEEDANCE DAYS & SITES

Updated 7/8/2024

<https://nj.gov/dep/airmon/>

The AIR QUALITY INDEX (AQI) is a national index for rating daily air quality.

The higher the AQI value, the greater the level of air pollution and health concern.

An AQI value of 100 corresponds to the National Ambient Air Quality Standard (NAAQS) for a specific pollutant. For more information on the NAAQS see <https://www.epa.gov/criteria-air-pollutants/naaqs-table>.

AQI values from 101 to 150 are unhealthy for sensitive groups. AQI values over 150 are unhealthy for the general public. For more information on the AQI see <https://www.airnow.gov/aqi/aqi-basics/>.

Pollutants

O₃ – Ozone

PM_{2.5} – Fine particulate matter

Units

ppm – parts per million

µg/m³ – micrograms per cubic meter

Rating

USG = Unhealthy for Sensitive Groups

VU = Very Unhealthy

U = Unhealthy

2024 Total Number of NAAQS Exceedance Days in New Jersey

Pollutant	Exceedance Days	USG Days	Unhealthy Days	Very Unhealthy Days
Ozone	9	7	2	---
PM _{2.5}	1	1	--	--
Total Individual Days	10	8	2	--

AQI Days & Sites Over 100 in New Jersey in 2024

Day No.	Date	Monitor Location	Pollutant	Concentration	Units	AQI Rating	AQI Value
1	5/24/24	Clarksboro	O ₃	0.079	ppm	USG	129
		Colliers Mills	O ₃	0.075	ppm	USG	115
		Monmouth University	O ₃	0.076	ppm	USG	119
2	5/25/24	Clarksboro	O ₃	0.075	ppm	USG	115
3	6/3/24	Bayonne	O ₃	0.086	ppm	U	151
		Rutgers University	O ₃	0.072	ppm	USG	105
4	6/4/24	Chester	O ₃	0.072	ppm	USG	105
		Columbia	O ₃	0.073	ppm	USG	108
		Ramapo	O ₃	0.076	ppm	USG	119
5	6/20/24	Bayonne	O ₃	0.077	ppm	USG	122
		Leonia	O ₃	0.082	ppm	USG	140
		Rider University	O ₃	0.080	ppm	USG	133
		Rutgers University	O ₃	0.072	ppm	USG	105
6	6/21/24	Bayonne	O ₃	0.082	ppm	USG	140
		Columbia	O ₃	0.071	ppm	USG	101
		Leonia	O ₃	0.088	ppm	U	156

	6/21/24	Rider University	O ₃	0.080	ppm	USG	133
		Rutgers University	O ₃	0.077	ppm	USG	122
7	6/22/24	Leonia	O ₃	0.072	ppm	USG	105
8	6/26/24	Clarksboro	O ₃	0.076	ppm	USG	119
		Leonia	O ₃	0.071	ppm	USG	101
		Rider University	O ₃	0.076	ppm	USG	119
		Wash Cross	O ₃	0.073	ppm	USG	108
9	7/5/24	Fort Lee Near Road	PM _{2.5}	45.6	µg/m ³	USG	125
10	7/7/24	Rutgers University	O ₃	0.081	ppm	USG	136