

2023 NEW JERSEY AIR QUALITY INDEX (AQI) EXCEEDANCE DAYS

Updated 6/6/2023

<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

U = Unhealthy

2023 Total Number of NAAQS Exceedance Days in New Jersey

Pollutant	Exceedance Days	USG Days	Unhealthy Days
Ozone	5	4	1
PM _{2.5}	2	2	---

AQI Days Over 100 in New Jersey in 2023

Day No.	Date	Monitor Location	Pollutant	Concentration	Units	AQI Rating	AQI Value
1	4/13/23	Chester	O ₃	0.071	ppm	USG	101
		Clarksboro	O ₃	0.073	ppm	USG	108
		Colliers Mills	O ₃	0.075	ppm	USG	115
		Flemington	O ₃	0.072	ppm	USG	105
		Monmouth University	O ₃	0.071	ppm	USG	101
		Ramapo	O ₃	0.071	ppm	USG	101
		Rider University	O ₃	0.071	ppm	USG	101
		Rutgers University	O ₃	0.072	ppm	USG	105
		Washington Crossing	O ₃	0.071	ppm	USG	101
2	4/14/23	Chester	O ₃	0.078	ppm	USG	126
		Flemington	O ₃	0.076	ppm	USG	119
		Leonia	O ₃	0.071	ppm	USG	101
		Ramapo	O ₃	0.078	ppm	USG	126
		Rutgers University	O ₃	0.074	ppm	USG	112
		Washington Crossing	O ₃	0.072	ppm	USG	105
3	5/12/23	Colliers Mills	O ₃	0.072	ppm	USG	105

Continued

AQI Days Over 100 in New Jersey in 2023 (continued)

Day No.	Date	Monitor Location	Pollutant	Concentration	Units	AQI Rating	AQI Value
4	6/1/23	Chester	O ₃	0.080	ppm	USG	133
		Flemington	O ₃	0.079	ppm	USG	129
		Rutgers University	O ₃	0.072	ppm	USG	105
		Millville*	PM _{2.5}	49.8	µg/m ³	USG	136
5	6/2/23	Camden	O ₃	0.081	ppm	USG	136
		Clarksboro	O ₃	0.089	ppm	U	159
		Colliers Mills	O ₃	0.074	ppm	USG	112
		Leonia	O ₃	0.078	ppm	USG	126
		Rider University	O ₃	0.098	ppm	U	182
		Rutgers University	O ₃	0.092	ppm	U	166
		Brigantine*	PM _{2.5}	53.1	µg/m ³	USG	144

*This exceedance is attributable to the Allen Road Fire in the Bass River State Forest in Burlington County.