

2021 NEW JERSEY AIR QUALITY INDEX (AQI) EXCEEDANCE DAYS

Updated 1/13/2022

<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

2021 Total Number of NAAQS Exceedance Days in New Jersey

Pollutant	Exceedance Days
Ozone	12
PM _{2.5}	2

AQI Days Over 100 in New Jersey in 2021

Day No.	Date	Monitor Location	Pollutant	Concentration	Units	AQI Rating	AQI Value
1	5/19/21	Ancora	O ₃	0.072	ppm	USG	105
		Clarksboro	O ₃	0.071	ppm	USG	101
		Colliers Mills	O ₃	0.075	ppm	USG	115
		Millville	O ₃	0.074	ppm	USG	112
		Monmouth University	O ₃	0.079	ppm	USG	129
2	5/21/21	Rider University	O ₃	0.077	ppm	USG	122
		Rutgers University	O ₃	0.079	ppm	USG	129
3	6/5/21	Colliers Mills	O ₃	0.078	ppm	USG	126
		Leonia	O ₃	0.076	ppm	USG	119
		Millville	O ₃	0.071	ppm	USG	101
		Monmouth University	O ₃	0.071	ppm	USG	101
4	6/6/21	Leonia	O ₃	0.072	ppm	USG	105
5	6/18/21	Leonia	O ₃	0.081	ppm	USG	136
		Rider University	O ₃	0.071	ppm	USG	101

Continued

AQI Days Over 100 in New Jersey in 2021 (continued)

Day No.	Date	Monitor Location	Pollutant	Concentration	Units	AQI Rating	AQI Value
6	7/20/21	Camden Spruce Street	PM _{2.5}	43.3	µg/m ³	USG	120
		Columbia	PM _{2.5}	41.1	µg/m ³	USG	115
		Elizabeth Lab	PM _{2.5}	50.9	µg/m ³	USG	139
		Fort Lee Near Road	PM _{2.5}	49.9	µg/m ³	USG	136
		Newark Firehouse	PM _{2.5}	45.1	µg/m ³	USG	125
		Rahway	PM _{2.5}	46.1	µg/m ³	USG	127
		Rider University	PM _{2.5}	47.3	µg/m ³	USG	130
		Rutgers University	PM _{2.5}	45.7	µg/m ³	USG	126
		Toms River	PM _{2.5}	40	µg/m ³	USG	112
		Trenton	PM _{2.5}	46	µg/m ³	USG	127
7	7/21/21	Camden Spruce Street	PM _{2.5}	38	µg/m ³	USG	107
		Rider University	PM _{2.5}	35.7	µg/m ³	USG	101
		Rutgers University	PM _{2.5}	40.2	µg/m ³	USG	102
		Toms River	PM _{2.5}	35.9	µg/m ³	USG	113
8	7/26/21	Monmouth University	O ₃	0.087	ppm	U	154
9	7/27/21	Clarksboro	O ₃	0.071	ppm	USG	101
		Leonia	O ₃	0.071	ppm	USG	101
		Newark Firehouse	O ₃	0.071	ppm	USG	101
10	8/6/21	Leonia	O ₃	0.078	ppm	USG	126
		Rider University	O ₃	0.079	ppm	USG	129
		Rutgers University	O ₃	0.079	ppm	USG	129
11	8/13/21	Bayonne	O ₃	0.078	ppm	USG	126
		Camden Spruce St	O ₃	0.071	ppm	USG	101
		Leonia	O ₃	0.075	ppm	USG	115
12	8/25/21	Bayonne	O ₃	0.074	ppm	USG	112
		Leonia	O ₃	0.074	ppm	USG	112
13	8/26/21	Bayonne	O ₃	0.072	ppm	USG	105
		Leonia	O ₃	0.084	ppm	USG	147
		Newark Firehouse	O ₃	0.072	ppm	USG	105
		Rider University	O ₃	0.072	ppm	USG	105
		Rutgers University	O ₃	0.072	ppm	USG	105
14	8/27/21	Washington Crossing	O ₃	0.082	ppm	USG	140
		Monmouth University	O ₃	0.073	ppm	USG	108