

2015 NEW JERSEY AIR QUALITY INDEX (AQI) EXCEEDANCE DAYS

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. For more information on the AQI see <https://airnow.gov/index.cfm?action=aqibasics.aqi>.

Pollutants

PM_{2.5} – Fine particulate matter

NO₂ – Nitrogen dioxide

O₃ – Ozone

Units

µg/m³ – micrograms per cubic meter

ppm – parts per million

ppm – parts per million

Rating

USG = Unhealthy for Sensitive Groups

2015 Total Number of NAAQS Exceedance Days in New Jersey

Pollutant	Exceedances
Nitrogen Dioxide	3
Ozone	20
PM _{2.5}	3

AQI Days Over 100 in New Jersey in 2015

Day	Date	Location	Pollutant	Concentration	Units	AQI Rating	AQI Value
1	2/25/2015	Fort Lee Near Road	NO ₂	0.154	ppm	USG	111
2	3/10/2015	Elizabeth Trailer	NO ₂	0.135	ppm	USG	107
3	5/5/2015	Colliers Mills	O ₃	0.077	ppm	USG	103
4	5/8/2015	Washington Crossing*	O ₃	0.081	ppm	USG	113
5	6/11/2015	Bayonne	O ₃	0.076	ppm	USG	101
		Camden Spruce St	O ₃	0.090	ppm	USG	134
		Clarksboro	O ₃	0.080	ppm	USG	113
		Colliers Mills	O ₃	0.081	ppm	USG	113
		Leonia	O ₃	0.077	ppm	USG	106
		Monmouth University	O ₃	0.087	ppm	USG	127
		New Brunswick	O ₃	0.079	ppm	USG	110
		Rider University	O ₃	0.084	ppm	USG	120
		Washington Crossing*	O ₃	0.079	ppm	USG	108
6	6/12/2015	Ramapo	O ₃	0.081	ppm	USG	112
7	6/14/2015	Leonia	O ₃	0.076	ppm	USG	101
8	7/2/2015	Bayonne	NO ₂	0.195	ppm	USG	119
9	7/5/2015	Camden Spruce St	O ₃	0.078	ppm	USG	106
10	7/12/2015	Camden Spruce St	O ₃	0.076	ppm	USG	101
11	7/25/2015	Monmouth University	O ₃	0.078	ppm	USG	106

Continued

**AQI Days Over 100 in New Jersey in 2015
(continued)**

Day	Date	Location	Pollutant	Concentration	Units	AQI Rating	AQI Value
12	7/28/2015	Bayonne	O ₃	0.080	ppm	USG	110
		Camden Spruce St	O ₃	0.083	ppm	USG	120
		Clarksboro	O ₃	0.079	ppm	USG	108
13	7/29/2015	Leonia	O ₃	0.079	ppm	USG	110
		Rider University	O ₃	0.078	ppm	USG	108
		Rutgers University	O ₃	0.081	ppm	USG	115
		Washington Crossing*	O ₃	0.081	ppm	USG	113
14	8/15/2015	Bayonne	O ₃	0.076	ppm	USG	101
		Camden Spruce St	O ₃	0.076	ppm	USG	101
15	8/17/2015	Bayonne	O ₃	0.077	ppm	USG	106
16	8/23/2015	Camden Spruce St	O ₃	0.081	ppm	USG	115
17	9/1/2015	Camden Spruce St	O ₃	0.078	ppm	USG	108
		Clarksboro	O ₃	0.076	ppm	USG	101
		Rutgers University	O ₃	0.081	ppm	USG	113
18	9/2/2015	Camden Spruce St	O ₃	0.078	ppm	USG	106
		Clarksboro	O ₃	0.077	ppm	USG	106
19	9/3/2015	Bayonne	O ₃	0.082	ppm	USG	115
		Colliers Mills	O ₃	0.090	ppm	USG	134
		Monmouth University	O ₃	0.079	ppm	USG	108
		Rutgers University	O ₃	0.078	ppm	USG	106
		Rahway	PM _{2.5}	36.9	µg/m ³	USG	103
20	9/8/2015	Leonia	O ₃	0.076	ppm	USG	103
		Rutgers University	O ₃	0.076	ppm	USG	101
21	9/16/2015	Ancora State Hospital	O ₃	0.076	ppm	USG	103
		Camden Spruce St	O ₃	0.077	ppm	USG	106
22	9/17/2015	Ancora State Hospital	O ₃	0.076	ppm	USG	103
		Bayonne	O ₃	0.092	ppm	USG	138
		Brigantine	O ₃	0.077	ppm	USG	106
		Camden Spruce St	O ₃	0.079	ppm	USG	110
		Leonia	O ₃	0.080	ppm	USG	113
		Monmouth University	O ₃	0.077	ppm	USG	103
		Rider University	O ₃	0.077	ppm	USG	103
		Rutgers University	O ₃	0.077	ppm	USG	103
23	9/18/2015	Ramapo	O ₃	0.084	ppm	USG	122
24	12/6/2015	Camden Spruce St	PM _{2.5}	42.7	µg/m ³	USG	113
		South Camden	PM _{2.5}	37.5	µg/m ³	USG	104
25	12/7/2015	Camden Spruce St	PM _{2.5}	36.2	µg/m ³	USG	102

*NOTE: The Washington Crossing monitoring station is operated and maintained by the U.S. Environmental Protection Agency (USEPA) as part of the nationwide Clean Air Status and Trends Network (CASTNET).