

2016 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>.

An AQI value from 101 to 150 is unhealthy for sensitive groups, and 151 to 200 is unhealthy. For more information on the AQI see <https://airnow.gov/index.cfm?action=aqibasics.aqi>.

Pollutants

O₃ - Ozone
 PM_{2.5} – Fine particulate matter
 SO₂ – Sulfur dioxide

Units

ppb – parts per billion
 µg/m³ – micrograms per cubic meter
 ppb – parts per billion

Rating

USG = Unhealthy for Sensitive Groups
 U = Unhealthy

2016 Total Number of NAAQS Exceedance Days in New Jersey

Pollutant	Exceedances
Ozone	25
PM _{2.5}	1
Sulfur Dioxide	2

AQI Days Over 100 in New Jersey in 2016

Day	Date	Location	Pollutant	Concentration	Units	AQI Rating	AQI Value
1	3/9/16	Ft. Lee Near Road	PM _{2.5}	39.3	ug/m ³	USG	110
2	5/12/16	Colliers Mills	O ₃	72	ppb	USG	104
3	5/25/16	Ancora	O ₃	76	ppb	USG	118
		Brigantine	O ₃	79	ppb	USG	129
		Camden Spruce St.	O ₃	78	ppb	USG	125
		Chester	O ₃	83	ppb	USG	143
		Clarksboro	O ₃	83	ppb	USG	143
		Colliers Mills	O ₃	90	ppb	U	158
		Columbia	O ₃	76	ppb	USG	118
		Flemington	O ₃	83	ppb	USG	143
		Leonia	O ₃	86	ppb	U	153
		Millville	O ₃	81	ppb	USG	136
		Monmouth University	O ₃	81	ppb	USG	136
		Newark Firehouse	O ₃	81	ppb	USG	136
		Ramapo	O ₃	79	ppb	USG	129
Rider University	O ₃	82	ppb	USG	139		
Rutgers University	O ₃	84	ppb	USG	146		
Washington Crossing*	O ₃	83	ppb	USG	143		

Continued

**AQI Days Over 100 in New Jersey in 2016
(continued)**

Day	Date	Location	Pollutant	Concentration	Units	AQI Rating	AQI Value
4	5/26/16	Bayonne	O ₃	76	ppb	USG	118
		Chester	O ₃	86	ppb	U	153
		Columbia	O ₃	73	ppb	USG	108
		Flemington	O ₃	88	ppb	U	154
		Leonia	O ₃	85	ppb	USG	150
		Newark Firehouse	O ₃	77	ppb	USG	122
		Ramapo	O ₃	81	ppb	USG	136
		Rider University	O ₃	82	ppb	USG	139
		Rutgers University	O ₃	86	ppb	U	153
		Washington Crossing*	O ₃	86	ppb	U	153
5	5/27/16	Ramapo	O ₃	71	ppb	USG	103
		Rutgers University	O ₃	75	ppb	USG	115
		Washington Crossing*	O ₃	74	ppb	USG	111
6	5/28/16	Leonia	O ₃	77	ppb	USG	122
		Rutgers University	O ₃	73	ppb	USG	108
		Washington Crossing*	O ₃	74	ppb	USG	111
7	6/1/16	Chester	O ₃	72	ppb	USG	104
		Columbia	O ₃	72	ppb	USG	104
		Flemington	O ₃	74	ppb	USG	111
		Ramapo	O ₃	72	ppb	USG	104
		Washington Crossing*	O ₃	71	ppb	USG	103
8	6/11/16	Camden Spruce St.	O ₃	76	ppb	USG	118
		Clarksboro	O ₃	74	ppb	USG	111
		Colliers Mills	O ₃	73	ppb	USG	108
		Monmouth University	O ₃	73	ppb	USG	108
		Rutgers University	O ₃	72	ppb	USG	104
9	6/15/16	Colliers Mills	O ₃	71	ppb	USG	103
		Rider University	O ₃	71	ppb	USG	103
		Rutgers University	O ₃	71	ppb	USG	103
10	6/19/16	Leonia	O ₃	74	ppb	USG	111
		Rutgers University	O ₃	73	ppb	USG	108
11	6/20/16	Camden Spruce St.	O ₃	75	ppb	USG	115
		Clarksboro	O ₃	77	ppb	USG	122
		Flemington	O ₃	73	ppb	USG	108
		Ramapo	O ₃	79	ppb	USG	129
		Rutgers University	O ₃	74	ppb	USG	111
		Washington Crossing*	O ₃	72	ppb	USG	104

Continued

**AQI Days Over 100 in New Jersey in 2016
(continued)**

Day	Date	Location	Pollutant	Concentration	Units	AQI Rating	AQI Value
12	6/24/16	Flemington	O ₃	78	ppb	USG	125
		Washington Crossing*	O ₃	74	ppb	USG	111
13	6/26/16	Washington Crossing*	O ₃	74	ppb	USG	111
14	7/6/16	Bayonne	O ₃	74	ppb	USG	111
		Monmouth University	O ₃	72	ppb	USG	104
15	7/8/16	Camden Spruce St.	O ₃	74	ppb	USG	111
		Clarksboro	O ₃	76	ppb	USG	118
16	7/16/16	Leonia	O ₃	73	ppb	USG	108
17	7/21/16	Leonia	O ₃	71	ppb	USG	103
		Rider University	O ₃	74	ppb	USG	111
		Rutgers University	O ₃	74	ppb	USG	111
18	7/22/16	Camden Spruce St.	O ₃	81	ppb	USG	136
		Clarksboro	O ₃	74	ppb	USG	111
		Flemington	O ₃	73	ppb	USG	108
		Leonia	O ₃	75	ppb	USG	115
		Rider University	O ₃	72	ppb	USG	104
		Rutgers University	O ₃	78	ppb	USG	125
		Washington Crossing*	O ₃	72	ppb	USG	104
19	7/25/16	Camden Spruce St.	O ₃	71	ppb	USG	103
20	7/27/16	Camden Spruce St.	O ₃	78	ppb	USG	125
		Clarksboro	O ₃	71	ppb	USG	103
21	7/28/16	Newark Firehouse	O ₃	71	ppb	USG	103
22	7/29/16	Rutgers University	O ₃	76	ppb	USG	118
23	8/24/16	Leonia	O ₃	72	ppb	USG	104
		Rider University	O ₃	76	ppb	USG	118
		Rutgers University	O ₃	75	ppb	USG	115
24	8/31/16	Camden Spruce St.	O ₃	72	ppb	USG	104
25	9/14/16	Colliers Mills	O ₃	71	ppb	USG	103
26	9/23/16	Ancora	O ₃	76	ppb	USG	118
		Camden Spruce St.	O ₃	78	ppb	USG	125
		Clarksboro	O ₃	79	ppb	USG	129
		Colliers Mills	O ₃	77	ppb	USG	122
		Flemington	O ₃	78	ppb	USG	125
		Washington Crossing*	O ₃	75	ppb	USG	115
27	11/11/16	Camden Spruce St.	SO ₂	81	ppb	USG	103
28	11/21/16	Camden Spruce St.	SO ₂	167	ppb	USG	142

*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).