

2018 NEW JERSEY AIR QUALITY INDEX (AQI) EXCEEDANCE DAYS
As of 1/3/2019

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

NO₂ – Nitrogen dioxide
O₃ - Ozone

Units

ppm – parts per million
ppm – parts per million

Rating

USG = Unhealthy for Sensitive Groups
U = Unhealthy

2018 Total Number of NAAQS Exceedance Days in New Jersey

Pollutant	Exceedances
Nitrogen Dioxide	1
Ozone	21

AQI Days Over 100 in New Jersey in 2018

Day	Date	Monitor Location	Pollutant	Concentration	Units	AQI Rating	AQI Value
1	1/3/18	Fort Lee Near Road	NO ₂	0.131	ppm	USG	107
2	5/1/18	Brigantine	O ₃	0.074	ppm	USG	112
		Chester	O ₃	0.071	ppm	USG	101
		Clarksboro	O ₃	0.072	ppm	USG	105
		Colliers Mills	O ₃	0.074	ppm	USG	112
		Flemington	O ₃	0.072	ppm	USG	105
		Washington Crossing*	O ₃	0.072	ppm	USG	105
3	5/2/18	Chester	O ₃	0.073	ppm	USG	108
		Clarksboro	O ₃	0.074	ppm	USG	112
		Colliers Mills	O ₃	0.076	ppm	USG	119
		Columbia	O ₃	0.074	ppm	USG	112
		Flemington	O ₃	0.072	ppm	USG	105
		Leonia	O ₃	0.071	ppm	USG	101
Ramapo	O ₃	0.072	ppm	USG	105		

Continued

**AQI Days Over 100 in New Jersey in 2018
(continued)**

Day	Date	Monitor Location	Pollutant	Concentration	Units	Rating	AQI Value
4	5/25/18	Rider University	O ₃	0.072	ppm	USG	105
		Rutgers University	O ₃	0.071	ppm	USG	101
5	5/29/18	Bayonne	O ₃	0.072	ppm	USG	105
		Leonia	O ₃	0.074	ppm	USG	112
		Newark Firehouse	O ₃	0.074	ppm	USG	112
		Ramapo	O ₃	0.075	ppm	USG	115
6	6/9/18	Rutgers University	O ₃	0.076	ppm	USG	119
7	6/17/18	Bayonne	O ₃	0.075	ppm	USG	115
		Leonia	O ₃	0.074	ppm	USG	112
8	6/18/18	Bayonne	O ₃	0.079	ppm	USG	129
		Camden Spruce St.	O ₃	0.073	ppm	USG	108
		Flemington	O ₃	0.072	ppm	USG	105
		Leonia	O ₃	0.075	ppm	USG	115
		Rider University	O ₃	0.076	ppm	USG	119
		Rutgers University	O ₃	0.078	ppm	USG	126
9	6/21/18	Colliers Mills	O ₃	0.071	ppm	USG	101
10	6/30/18	Bayonne	O ₃	0.071	ppm	USG	101
		Camden Spruce St.	O ₃	0.075	ppm	USG	115
		Clarksboro	O ₃	0.079	ppm	USG	129
		Colliers Mills	O ₃	0.078	ppm	USG	126
		Leonia	O ₃	0.077	ppm	USG	122
		Newark Firehouse	O ₃	0.071	ppm	USG	101
11	7/1/18	Bayonne	O ₃	0.095	ppm	U	174
		Camden Spruce St.	O ₃	0.075	ppm	USG	115
		Clarksboro	O ₃	0.071	ppm	USG	101
		Leonia	O ₃	0.090	ppm	U	161
12	7/2/18	Bayonne	O ₃	0.092	ppm	U	166
		Chester	O ₃	0.081	ppm	USG	136
		Flemington	O ₃	0.097	ppm	U	179
		Leonia	O ₃	0.091	ppm	U	164
		Newark Firehouse	O ₃	0.096	ppm	U	177
		Ramapo	O ₃	0.085	ppm	USG	150
		Rider University	O ₃	0.091	ppm	U	164
		Rutgers University	O ₃	0.075	ppm	USG	115
		Washington Crossing*	O ₃	0.100	ppm	U	187
13	7/3/18	Washington Crossing*	O ₃	0.081	ppm	USG	136

Continued

**AQI Days Over 100 in New Jersey in 2018
(continued)**

Day	Date	Monitor Location	Pollutant	Concentration	Units	Rating	AQI Value
14	7/9/18	Bayonne	O ₃	0.072	ppm	USG	105
		Camden Spruce St.	O ₃	0.076	ppm	USG	119
		Chester	O ₃	0.075	ppm	USG	115
		Clarksboro	O ₃	0.078	ppm	USG	126
		Colliers Mills	O ₃	0.072	ppm	USG	105
		Leonia	O ₃	0.079	ppm	USG	129
15	7/10/18	Ancora	O ₃	0.082	ppm	USG	140
		Bayonne	O ₃	0.078	ppm	USG	126
		Camden Spruce St	O ₃	0.080	ppm	USG	133
		Chester	O ₃	0.077	ppm	USG	122
		Clarksboro	O ₃	0.084	ppm	USG	147
		Colliers Mills	O ₃	0.083	ppm	USG	143
		Flemington	O ₃	0.086	ppm	U	151
		Leonia	O ₃	0.081	ppm	USG	136
		Newark Firehouse	O ₃	0.080	ppm	USG	133
		Rider University	O ₃	0.080	ppm	USG	133
		Rutgers University	O ₃	0.078	ppm	USG	126
		Washington Crossing*	O ₃	0.083	ppm	USG	143
16	7/16/18	Leonia	O ₃	0.078	ppm	USG	126
		Rider University	O ₃	0.077	ppm	USG	122
		Rutgers University	O ₃	0.080	ppm	USG	133
17	7/19/18	Clarksboro	O ₃	0.076	ppm	USG	119
18	7/28/18	Bayonne	O ₃	0.073	ppm	USG	108
		Leonia	O ₃	0.077	ppm	USG	122
19	8/6/18	Leonia	O ₃	0.076	ppm	USG	119
20	8/8/18	Leonia	O ₃	0.074	ppm	USG	112
21	8/28/18	Colliers Mills	O ₃	0.071	ppm	USG	101
22	8/29/18	Colliers Mills	O ₃	0.071	ppm	USG	101

*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).