



U.S. Environmental Protection Agency

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Monitoring Site: Manhattan Borough C.C.

Fine Particulate Matter (PM 2.5) Air Monitoring Data

This table shows how much fine particulate matter (particles less than 2.5 micrometers in diameter) the New York State Department of Environmental Conservation has measured in the air at this site, on the dates and times shown.

Airborne particles like smoke and dust are solids and liquid droplets of different sizes suspended in the air. EPA sets the level of concern to caution sensitive groups, including children, the elderly, and people with heart or lung disease. For fine particles, that level is 40 ug/m3** for 24-hour average exposure. This level is based on EPA's Air Quality Index. Above this level, we recommend that sensitive groups reduce their exposure. Shorter term peaks are also of potential concern for sensitive groups. The level of concern for the general population is 65 ug/m3** over a 24 hour period. Most healthy adults and children are expected to recover quickly from any symptoms of short-term exposure like coughing, wheezing, or eye and throat irritation. EPA expects the long-term risk from these short-term exposures to be low.

See [PM Fact Sheet](#) for more information about particulate matter and how to reduce your exposure.

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- Educational Resources
- About EPA
- Programs
- Business
- Opportunities
- Jobs
- Recursos en Español

For KIDS

Date	Time	Hourly Measurement* ug/m3***
10/06/2001	12 AM	39.84
10/05/2001	Daily Average: 38.81	
10/05/2001	11 PM	41.2
10/05/2001	10 PM	38.53
10/05/2001	9 PM	48
10/05/2001	8 PM	54.22
10/05/2001	7 PM	31.27
10/05/2001	6 PM	28.76
10/05/2001	5 PM	22.19
10/05/2001	4 PM	35.41
10/05/2001	3 PM	34.21
10/05/2001	2 PM	38.53
10/05/2001	1 PM	26.38
10/05/2001	12 PM	41.43
10/05/2001	11 AM	50.19

http://oaspub.epa.gov/nyr/pm_monitoring?p_addr_id=MBCC

10/9/2001

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10/05/2001	10 AM	50.64
10/05/2001	9 AM	52.3
10/05/2001	8 AM	43.53
10/05/2001	7 AM	42.17
10/05/2001	6 AM	43.15
10/05/2001	5 AM	37.82
10/05/2001	4 AM	40.89
10/05/2001	3 AM	35.61
10/05/2001	2 AM	29.04
10/05/2001	1 AM	37.18
10/05/2001	12 AM	28.76
10/04/2001	Daily Average: 35.33	
10/04/2001	11 PM	28.64
10/04/2001	10 PM	28.21
10/04/2001	9 PM	29.34
10/04/2001	8 PM	28.98
10/04/2001	7 PM	27.04
10/04/2001	6 PM	24.46
10/04/2001	5 PM	21.61
10/04/2001	4 PM	23.15
10/04/2001	3 PM	28.54
10/04/2001	2 PM	28.32
10/04/2001	1 PM	27.73
10/04/2001	12 PM	30.25
10/04/2001	11 AM	42.63
10/04/2001	10 AM	48.53
10/04/2001	9 AM	53.11
10/04/2001	8 AM	48.97
10/04/2001	7 AM	44.58
10/04/2001	6 AM	47.4
10/04/2001	5 AM	41.31
10/04/2001	4 AM	42.01
10/04/2001	3 AM	38.7
10/04/2001	2 AM	39.68
10/04/2001	1 AM	39.06
10/03/2001	Daily Average: 37.42	
10/02/2001	Daily Average: 21.74	
10/01/2001	Daily Average: 12.27	

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*The information contained in this database should be considered provisional and may be subject to adjustment upon final analysis.

**The reading exceeds a level of concern for sensitive groups. Effects for some people may include respiratory symptoms and aggravation of lung or heart disease.

***The unit, ug/m3, is the mass of fine particles in micrograms (a millionth of a gram) in a cubic meter of air.

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10/9/2001

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