

Supplemental Footnotes

Annual PM_{2.5} Indicators

- **Annual Average PM_{2.5} Concentration By County***
- **Percent of Population Exceeding Annual PM_{2.5} NAAQS By County***

Daily PM_{2.5} Indicators

- **Percent of Days with PM_{2.5} levels over the NAAQS By County**
- **Person-Days with PM_{2.5} levels over NAAQS By County**

1. PM_{2.5} concentrations are measured over a 24-hour period and averaged to provide daily and annual average concentrations to determine attainment status with the NAAQS (current 24-hour PM_{2.5} NAAQS is 35 µg/m³; the annual PM_{2.5} NAAQS is 15 µg/m³).

2. Attainment with the NAAQS is determined over a three year period. PM_{2.5} measurements are scheduled either once every three days (total of 122 days of monitoring in 2008) or once every six days (total of 60 days of monitoring in 2008) throughout the calendar year. Continuous monitoring of PM_{2.5} is also conducted to provide a daily Air Quality Index and forecast which MassDEP provides on a daily basis all year round.

http://www.mass.gov/?pageID=mg2ozonepage&L=1&sid=massgov2&U=airquality_ozone%3f

3. The counties in which the monitoring sites are located were selected by MassDEP to monitor one or more pollutants per site, based on the objective of the measurements, the population density, and the nature of the pollutants to be measured (e.g., characterizing the highest pollutant concentrations expected to occur in the state, or the general background

- pollutant concentration levels, or the extent of regional pollutant transport into the state.)
4. Data presented here may differ from data presented elsewhere as a result of variations in data calculation methodology and different sources of data.

Daily Ozone Indicators

- **Number of Days with Max 8-hour Average Concentration over the NAAQS By County***
- **Number of Person-Days with Max 8-hour Average Concentration over the NAAQS By County**

1. Ozone concentrations are measured over a daily 8-hour period to determine attainment status with the national ambient air quality standard (current 8-hour standard is 0.075 ppm).
2. Ozone concentrations at any given time can vary from location to location within a county due to transport and weather factors which contribute to the build-up of ground level ozone concentrations. Ozone concentrations are most likely to be higher in rural, rather than urban locations, due to the scavenging effect by other air contaminants on ozone. Ozone is measured continuously during the ozone season. Ozone season in MA is 183 days (April through September). MassDEP provides a daily ozone forecast from April through September.

http://www.mass.gov/?pageID=mg2ozonepage&L=1&sid=massgov2&U=airquality_ozone%3f

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