

Air Quality Fact Sheet

Particle Pollution - Daily Cycles

What time of day do the highest particle pollution levels occur?

The highest particle pollution levels in the Youngstown-Warren region occur from 6:00 to 10:00 a.m. EST.

How many days do high particle pollution episodes last?

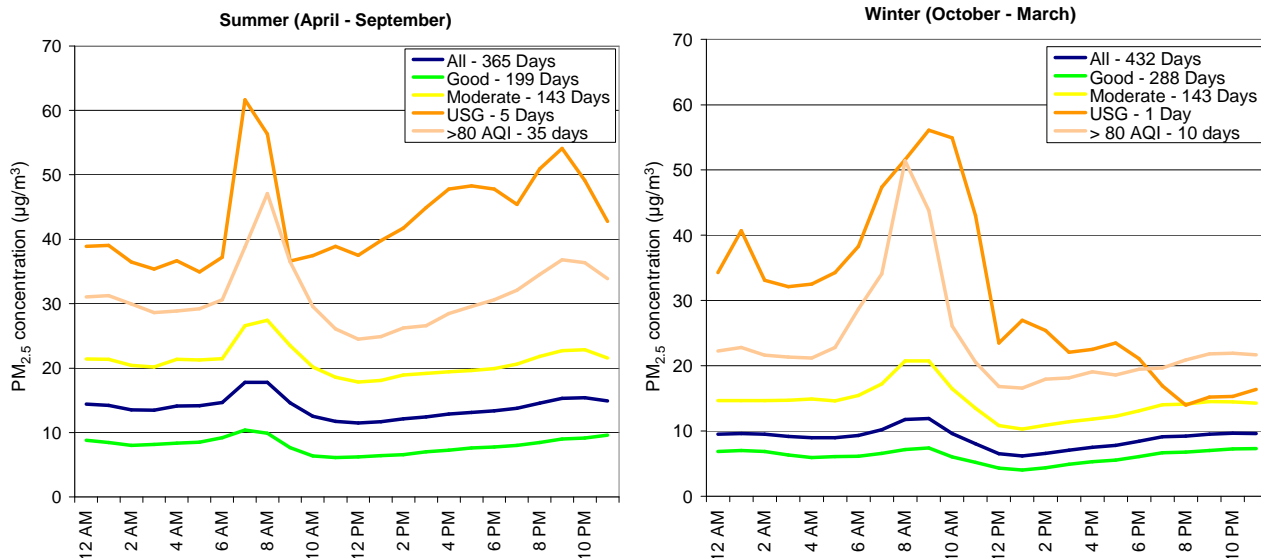
Most (70%) particle pollution episodes last one day. However, episodes have lasted up to four days in the Mahoning Valley.

Other information:

During both summer and winter particle pollution episodes, Air Quality Index (AQI) levels are generally high all day long.

During particle pollution episodes, AQI levels typically peak in the morning and are lowest in the early afternoon. Overnight levels are usually relatively constant.

Since 2001, there have been five multi-day summer particle pollution episodes and only one multi-day winter episode.



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Footnotes:

Episode duration statistics are based on PM_{2.5} filter data collected from 2001 to 2004.

Diurnal cycle statistics are based on PM_{2.5} continuous data collected from 2002 to 2004.

USG = Unhealthy for Sensitive Groups.