

Air Quality Summary

Youngstown - Warren: December 2006

The average temperature in December 2006 was well above normal, with a mean temperature of 37.3°F (6.9°F above normal). Youngstown received 2.93 inches of precipitation, which was 99% of the monthly norm.

The maximum Air Quality Index (AQI) level reached Moderate on 23% of the days in December, Good on 77% of the days, and did not reach Unhealthy for Sensitive Groups (USG) at all. The highest AQI value occurred December 29 when the AQI level reached 67 for particles at the Youngstown - Head Start site. Moderate AQI levels generally occurred on those days with lighter winds. These winds limited dispersion and allowed pollutants to build up.

Remember, even though the winter season is here, air pollution can still have an impact in the form of particle pollution. Fine particles are produced any time fuels such as coal, oil, diesel, gasoline, or wood are burned, as well as through additional processes. During colder months, temperature inversions can form near the surface and persist, trapping pollutants and allowing them to build up. In these instances, AQI levels may rise into the USG range or higher, posing health risks to certain individuals.

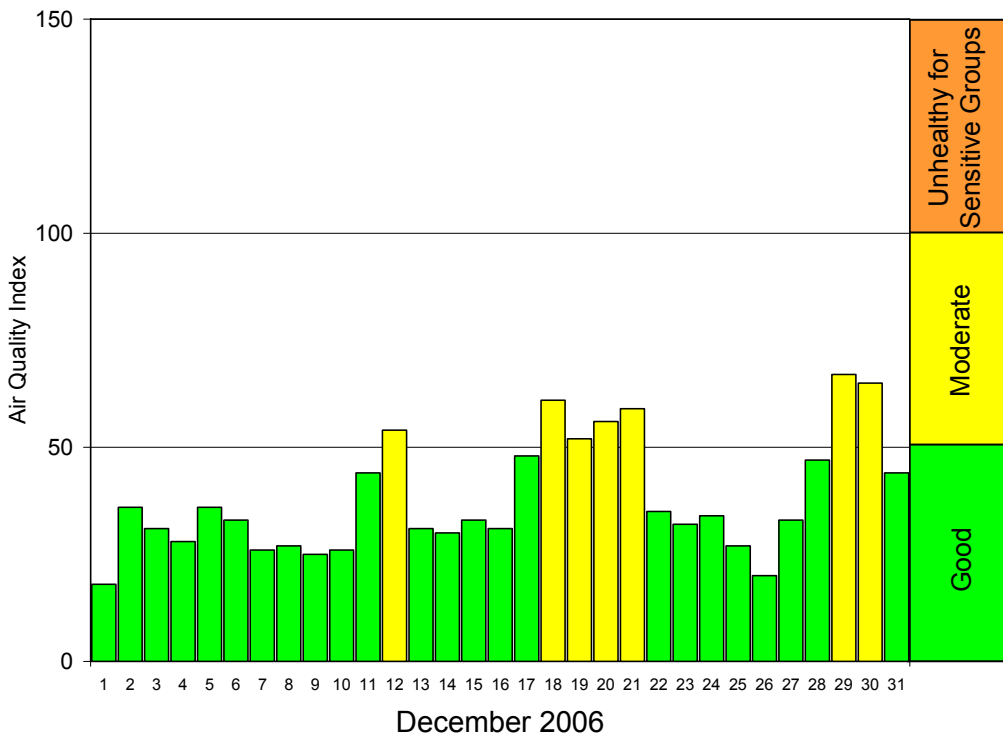


0 - 50	Good
51 - 100	Moderate
101 - 150	Unhealthy for Sensitive Groups
151 - 200	Unhealthy
201 - 310	Very Unhealthy

Highest AQI Days This Month

Date	AQI	Pollutant	Monitoring Site
12/29/2006	67	PM _{2.5}	Youngstown-Head Start
12/30/2006	65	PM _{2.5}	Youngstown-Head Start
12/18/2006	61	PM _{2.5}	Youngstown-Head Start
12/21/2006	59	PM _{2.5}	Youngstown-Head Start
12/20/2006	56	PM _{2.5}	Youngstown-Head Start

Daily Maximum AQI in December 2006



Percentage of Days in Each AQI Category

