

Air Quality Summary

Youngstown-Warren: July 2011

The average temperature in Youngstown for July 2011 was 74.8°F, which was 4.9°F above normal. This compares to an average temperature of 72.8°F in July 2010. In July 2011, 2.93 inches of rainfall was recorded in Youngstown, which was 1.17 inches below normal.

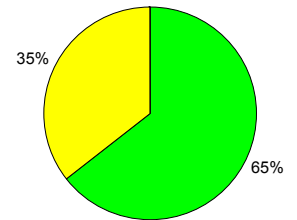
Air Quality Index (AQI) levels were reported in the Unhealthy for Sensitive Groups (USG) category on three days in July 2011, compared to four days in July 2010 and zero days in June 2009. The highest AQI levels in July 2011 were observed on July 22. On this day, an upper-level ridge of high pressure in the eastern U.S. limited vertical mixing in the atmosphere over the Youngstown region and trapped pollutants near the surface. The upper-level ridge also produced partly sunny skies with temperatures in the upper 90s across northeastern Ohio, which enhanced ozone formation. In addition, light winds limited pollutants for much of the day and a humid air mass in place supported particle formation. While thunderstorms helped disperse some pollutants during the evening hours, USG AQI levels were reported for ozone and Moderate AQI levels were reported for particles.

Highest AQI Days This Month

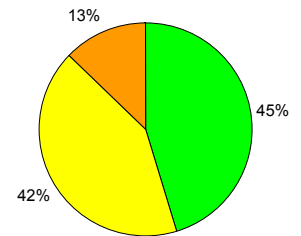
DATE	AQI	POLLUTANT	MONITORING SITE
07/06/11	114	Ozone	Trumbull County San. & Eng.
07/10/11	111	Ozone	Youngstown - Oakhill
07/22/11	116	Ozone	Trumbull County San. & Eng.

Maximum Daily AQI for the Month by Category

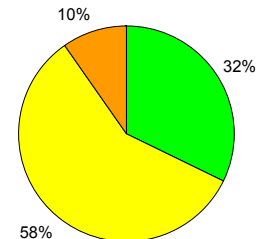
2009



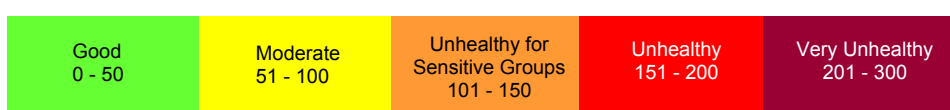
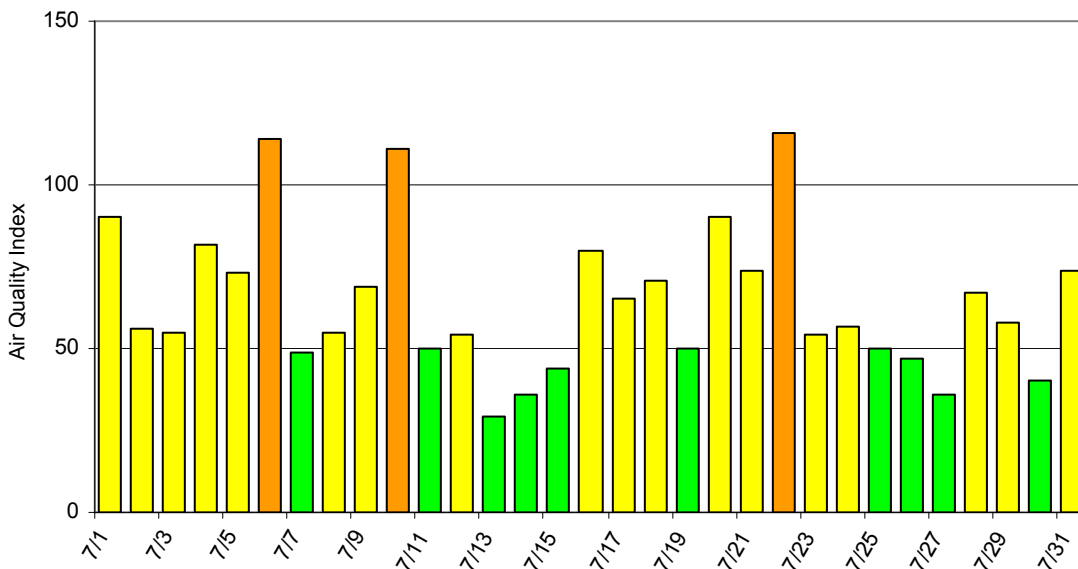
2010



2011



Daily Maximum AQI for July 2011



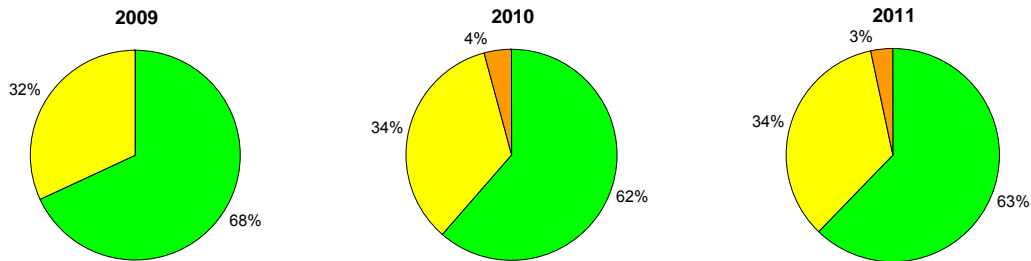
Air Quality Summary

Youngstown–Warren: April 1 - July 31

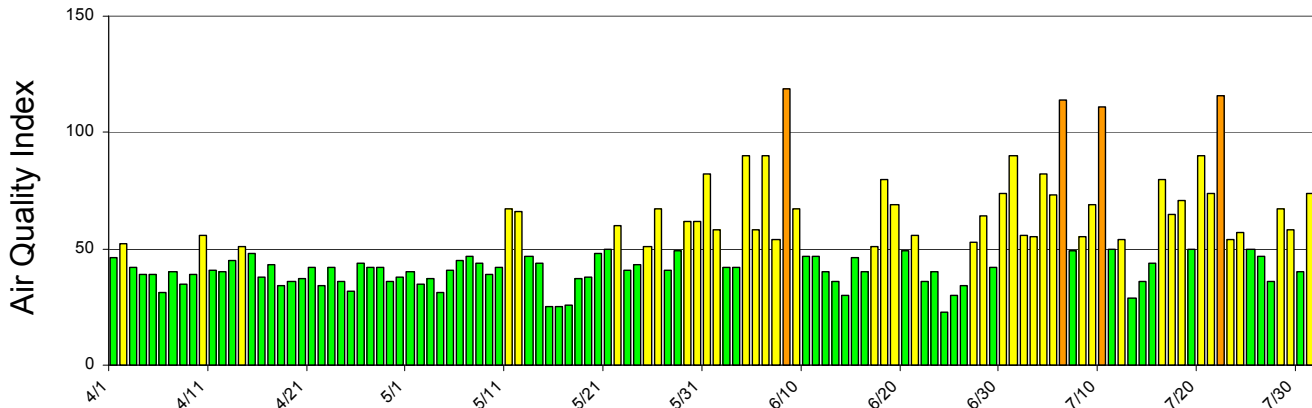
Air Quality Advisory Days

DATE	POLLUTANT	NEXT-DAY FORECAST (AQI)	SAME-DAY FORECAST (AQI)	OBSERVED AQI
05/31/11	Ozone	104	104	82
06/08/11	Ozone	84	111	119
07/01/11	Ozone	104	104	90
07/11/11	Ozone	106	106	48
07/17/11	Ozone	101	101	47
07/20/11	Ozone	67	109	90
07/21/11	Ozone	104	104	74
07/22/11	Ozone	93	104	116

Percentage of Days at Each AQI Level



2011 Daily Maximum AQI



Good
0 - 50

Moderate
51 - 100

Unhealthy for
Sensitive Groups
101 - 150

Unhealthy
151 - 200

Very Unhealthy
201 - 300



100 East Federal Street • City One Building • Suite 1000 • Youngstown, OH 44503
 Lisa Pompeo • lpompeo@eastgatecog.org • (330) 779-3800 • www.MahoningValleyAir.org