

August 4, 2025

Air Quality Forecast and Dispersion Outlook for Allegheny County, PA

Prepared by: AWC

Date: 8/4/2025

Time: 8:30 AM

	Pittsburgh, PA	Liberty-Clairton Area, PA
Today	PM2.5 Moderate 57 AQI	PM2.5 Moderate 54 AQI
Tomorrow	PM2.5 Moderate 56 AQI	PM2.5 Moderate 53 AQI

Today’s Air Quality Forecast: Mostly sunny skies and warm today with highs in the upper 80s. Ozone concentrations will be in the low moderate range by this afternoon. PM2.5 will also average in the lower moderate range for today. Areas of Canadian wildfire smoke to the north will need to be monitored throughout the week.

	Atmospheric Dispersion Index		Wind (dir mph)	Surface Inversion Forecast
Today	Morning	53	CALM	Strong
	Afternoon	71	E 5-10	--
Tonight	Evening	5	E 5	Slight
	Overnight	4	CALM	Weak
Tomorrow	Morning	44	CALM	Moderate
	Afternoon	87	SE 5-10	--

Morning Surface Temperature Inversion Report:

	Surface Temperature Inversion?	Temperature (°C)	Depth (m)	Est. Break Time (EDT)	Characterization	Upper air Inversion Present?
Today	Yes	5.6	185	9:30	Strong	No