

October 21, 2025

Air Quality Forecast and Dispersion Outlook for Allegheny County, PA

Prepared by: AWC

Date: 10/21/2025

Time: 8:30 AM

	Pittsburgh, PA	Liberty-Clairton Area, PA
Today	PM2.5 Good 48 AQI	PM2.5 Good 45 AQI
Tomorrow	PM2.5 Good 30 AQI	PM2.5 Good 28 AQI

Today’s Air Quality Forecast: The day will begin the day with clear skies, but clouds will quickly increase with showers likely into the early afternoon. Temperatures will rise into the upper 50s for a high today with a SW wind between 5-10 MPH with gusts over 15 MPH possible. PM2.5 values will average in the good range today.

	Atmospheric Dispersion Index		Wind (dir mph)	Surface Inversion Forecast
Today	Morning	8	S 5	--
	Afternoon	6	SW 5-10 G 15+	--
Tonight	Evening	35	WSW 5-10	--
	Overnight	53	SW 5-10	--
Tomorrow	Morning	14	SW 5-10	--
	Afternoon	12	SW 10-15 G 25+	--

Morning Surface Temperature Inversion Report:

	Surface Temperature Inversion?	Temperature (°C)	Depth (m)	Est. Break Time (EDT)	Characterization	Upper air Inversion Present?
Today	Yes	6.6	271	10:00 a.m.	Strong	No