

November 5, 2025

Air Quality Forecast and Dispersion Outlook for Allegheny County, PA

Prepared by: AWC

Date: 11/05/2025

Time: 8:30 AM

	Pittsburgh, PA	Liberty-Clairton Area, PA
Today	PM2.5 Good 46 AQI	PM2.5 Good 48 AQI
Tomorrow	PM2.5 Good 30 AQI	PM2.5 Good 32 AQI

Today’s Air Quality Forecast: Mostly sunny this morning. PM2.5 concentrations could be elevated this morning due to a strong temperature inversion. An incoming cold front will bring increasing clouds, gusty winds, and rain chances by this afternoon which will decrease PM2.5 concentrations to the good range. High temperatures will be in the low 60s with wind gusts over 35 MPH possible.

	Atmospheric Dispersion Index		Wind (dir mph)	Surface Inversion Forecast
Today	Morning	64	S 5-10	Strong
	Afternoon	98	WSW 15-20 G 35+	--
Tonight	Evening	42	W 15-20 G 30	--
	Overnight	22	NW 10-15	--
Tomorrow	Morning	71	WNW 5-10	--
	Afternoon	88	WNW 5-10 G 15+	--

Morning Surface Temperature Inversion Report:

	Surface Temperature Inversion?	Temperature (°C)	Depth (m)	Est. Break Time (EST)	Characterization	Upper air Inversion Present?
Today	Yes	6.0	301	10:00 AM	Strong	No