

November 7, 2025

Air Quality Forecast and Dispersion Outlook for Allegheny County, PA

Prepared by: AWC

Date: 11/07/2025

Time: 8:30 AM

	Pittsburgh, PA	Liberty-Clairton Area, PA
Today	PM2.5 Good 40 AQI	PM2.5 Good 37 AQI
Tomorrow	PM2.5 Moderate 60 AQI	PM2.5 Moderate 55 AQI

Today’s Air Quality Forecast: Mostly clear to begin the day. A strong temperature inversion could lead to elevated PM2.5 values early but concentrations will average in the good range today. Clouds move in by the afternoon with rain shower chances. Mostly sunny skies return on Saturday, and above average temperatures will lead to moderate PM2.5 concentrations.

	Atmospheric Dispersion Index		Wind (dir mph)	Surface Inversion Forecast
Today	Morning	43	SE 10	Strong
	Afternoon	77	SW 10-15 G 30+	--
Tonight	Evening	18	SW 10	--
	Overnight	12	WSW 5-10	--
Tomorrow	Morning	32	W 5	--
	Afternoon	46	WNW 5	--

Morning Surface Temperature Inversion Report:

	Surface Temperature Inversion?	Temperature (°C)	Depth (m)	Est. Break Time (EST)	Characterization	Upper air Inversion Present?
Today	Yes	6.6	208	10:00 AM	Strong	No