

October 10, 2025

Air Quality Forecast and Dispersion Outlook for Allegheny County, PA

Prepared by: GVP

Date: 10/10/2025

Time: 8:30 AM

	Pittsburgh, PA	Liberty-Clairton Area, PA
Today	PM2.5 Good 46 AQI	PM2.5 Good 40 AQI
Tomorrow	PM2.5 Good 44 AQI	PM2.5 Good 44 AQI

Today’s Air Quality Forecast:

After a cold and frosty morning, Friday will turn out mostly sunny with highs in the middle and upper 60s. Ozone is in the good range. PM2.5 is in the good range, with the highest concentrations in the morning due to an inversion.

	Atmospheric Dispersion Index		Wind (dir mph)	Surface Inversion Forecast
Today	Morning	20	S 5-10	Moderate
	Afternoon	60	S 5-10	--
Tonight	Evening	5	S < 5	Weak
	Overnight	5	SE < 5	Moderate
Tomorrow	Morning	24	SE < 5	Moderate
	Afternoon	45	S 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	3.6	527	10am	Moderate	Yes