

December 24, 2025

Air Quality Forecast and Dispersion Outlook for Allegheny County, PA

Prepared by: AWC

Date: 12/24/2025

Time: 8:30 AM

	Pittsburgh, PA	Liberty-Clairton Area, PA
Today	PM2.5 Moderate 60 AQI	PM2.5 Moderate 60 AQI
Tomorrow	PM2.5 Moderate 62 AQI	PM2.5 Moderate 62 AQI

Today’s Air Quality Forecast: Partly cloudy skies today with high temperatures in the upper 30s and low 40s. Winds will be calmer today which will result in moderate PM2.5 concentrations. Despite rain chances moving in tonight, PM2.5 concentrations will continue to stay in the moderate range until late Christmas Day when the wind starts to increase.

	Atmospheric Dispersion Index		Wind (dir mph)	Surface Inversion Forecast
Today	Morning	23	NW 5-10 G 15	--
	Afternoon	20	NW 5-10	--
Tonight	Evening	3	CALM	Weak
	Overnight	4	CALM	Moderate
Tomorrow	Morning	18	CALM	Strong
	Afternoon	32	NW 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	No	--	--	--	--	Yes