

August 22, 2025

Air Quality Forecast and Dispersion Outlook for Allegheny County, PA

Prepared by: AWC

Date: 8/22/2025

Time: 8:30 AM

	Pittsburgh, PA	Liberty-Clairton Area, PA
Today	Ozone Good 50 AQI	PM2.5 Good 38 AQI
Tomorrow	PM2.5 Moderate 60 AQI	PM2.5 Moderate 55 AQI

Today’s Air Quality Forecast: Friday will feature mostly sunny skies with highs in the low to mid 80s. Ozone and PM2.5 concentrations will average in the good range. The wind will change direction to the southwest on Saturday and temperatures will warm into the upper 80s. Both PM2.5 and ozone concentrations will average into the low-moderate range on Saturday.

	Atmospheric Dispersion Index		Wind (dir mph)	Surface Inversion Forecast
Today	Morning	17	CALM	Weak
	Afternoon	23	E 5	--
Tonight	Evening	2	CALM	Slight
	Overnight	3	CALM	Weak
Tomorrow	Morning	43	CALM	Moderate
	Afternoon	77	SW 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	1.2	330	9:00 a.m.	Weak	Yes