

July 12, 2024

Air Quality Forecast and Dispersion Outlook for Allegheny County, PA

Prepared by: AW

Date: 7/12/24

Time: 8:30 AM

	Pittsburgh, PA	Liberty-Clairton Area, PA
Today	Ozone Moderate 88 AQI	PM2.5 Moderate 54 AQI
Tomorrow	Ozone Moderate 82 AQI	PM2.5 Moderate 60 AQI

Today's Air Quality Forecast:

Light winds and mixing along with a morning inversion Friday will bring both PM2.5 and ozone to the moderate range. Ozone will max out in the mid to high moderate range during the afternoon. High temperatures will peak near the 90-degree mark.

	Atmospheric Dispersion Index		Wind (dir mph)	Surface Inversion Forecast
Today	Morning	15	NE/E <5	Weak
	Afternoon	45	SE/E <5	--
Tonight	Evening	3	NE <5	Weak
	Overnight	3	SE <5	Moderate
Tomorrow	Morning	29	SE <5	Weak
	Afternoon	57	NW/W 5-10	--

Morning Surface Temperature Inversion Report:

	Surface Temperature Inversion?	Temperature (°C)	Depth (m)	Est. Break Time	Characterization	Upper air Inversion Present?
Today	Yes	2.8	141	9:00AM	Weak	No