October 11, 2024

Air Quality Forecast and Dispersion Outlook for Allegheny County, PA

Prepared by: AW | Date: 10/11/24 | Time: 8:30 AM

	Pittsburgh, PA	Liberty-Clairton Area, PA
Today	PM2.5 Moderate 59 AQI	PM2.5 Moderate 62 AQI
Tomorrow	PM2.5 Moderate 65 AQI	PM2.5 Moderate 69 AQI

Today's Air Quality Forecast:

After a cold start, Friday will be sunny with a milder afternoon as temperatures rebound into the upper 60s. PM2.5 will start off in the high moderate range under a moderately strong inversion, then concentrations decrease during the afternoon.

	Atmospheric Dispersion Index		Wind (dir mph)	Surface Inversion Forecast
Today	Morning	15	S/SW <5	Strong
	Afternoon	44	SW/W 5-10	--
Tonight	Evening	8	SW 5-10	Moderate
	Overnight	8	S/SW 5-10	Strong
Tomorrow	Morning	13	SW/W 5-10	Moderate
	Afternoon	20	W/SW 5-10	--

Morning Surface Temperature Inversion Report:

	Surface Temperature Inversion?	Temperature (°C)	Depth (m)	Est. Break Time	Characterization	Upper air Inversion Present?
Today	Yes	5.2	239	10:30AM	Strong	Yes

Data provided by the PA Department of Environmental Protection (PADEP) and the National Weather Service (NWS)