

April 26, 2024

Air Quality Forecast and Dispersion Outlook for Allegheny County, PA

Prepared by: KLC

Date: 4/26/24

Time: 8:30 AM

	Pittsburgh, PA	Liberty-Clairton Area, PA
Today	Ozone Moderate 55 AQI	PM2.5 Good 32 AQI
Tomorrow	Ozone Good 40 AQI	PM2.5 Good 26 AQI

Today's Air Quality Forecast:

High pressure moving off to the east Friday will promote a southeasterly flow under a sunnier sky. The increase in sunshine will send ozone maximums to the lower moderate range during the afternoon. PM2.5 will be highest during the morning, but the southeast breeze creates enough dispersion to where concentrations on average remain in the good category. Air quality averaging in the good range Saturday and upper good to lower moderate range Sunday will deteriorate to moderate by Monday.

	Atmospheric Dispersion Index		Wind (dir mph)	Surface Inversion Forecast
Today	<i>Morning</i>	83	SE 10	Moderate
	<i>Afternoon</i>	106	SE 10-15	--
Tonight	<i>Evening</i>	25	SE 10-15	--
	<i>Overnight</i>	12	SE 10-15	--
Tomorrow	<i>Morning</i>	21	SE 10	--
	<i>Afternoon</i>	33	S 10-15	--

Morning Surface Temperature Inversion Report:

	Surface Temperature Inversion?	Temperature (°C)	Depth (m)	Est. Break Time	Characterization	Upper air Inversion Present?
Today	Yes	3.0	210	8:30 AM	Moderate	Yes