

May 17, 2024

Air Quality Forecast and Dispersion Outlook for Allegheny County, PA

Prepared by: KLC

Date: 5/17/24

Time: 8:30 AM

	Pittsburgh, PA	Liberty-Clairton Area, PA
Today	PM2.5 Moderate 54 AQI	PM2.5 Moderate 54 AQI
Tomorrow	Ozone Good 46 AQI	PM2.5 Good 40 AQI

Today's Air Quality Forecast:

Mostly cloudy Friday with a couple of showers and/or a thunderstorm. Extensive cloud cover will not allow for ozone development outside of the good range. PM2.5 will be highest during the morning hours with a small inversion present, and decrease during the afternoon. However, parts of the area will still average in the lower moderate range. Unsettled weather conditions will last into the day Saturday with a couple of showers or thunderstorms still possible. Ozone remains down inside the good range, and PM2.5 averages at the top end of the good zone.

	Atmospheric Dispersion Index		Wind (dir mph)	Surface Inversion Forecast
Today	<i>Morning</i>	25	S <5-5	Weak
	<i>Afternoon</i>	30	S 5	--
Tonight	<i>Evening</i>	6	S <5	--
	<i>Overnight</i>	3	S <5	--
Tomorrow	<i>Morning</i>	19	S-SE <5-5	--
	<i>Afternoon</i>	30	S <5	--

Morning Surface Temperature Inversion Report:

	Surface Temperature Inversion?	Temperature (°C)	Depth (m)	Est. Break Time	Characterization	Upper air Inversion Present?
Today	Yes	2.0	176	10:00 AM	Weak	No