

July 5, 2024

Air Quality Forecast and Dispersion Outlook for Allegheny County, PA

Prepared by: KLC

Date: 7/5/24

Time: 8:30 AM

	Pittsburgh, PA	Liberty-Clairton Area, PA
Today	Ozone Moderate 54 AQI	PM2.5 Moderate 52 AQI
Tomorrow	Ozone Good 46 AQI	PM2.5 Good 40 AQI

Today's Air Quality Forecast:

Times of clouds and sun Friday as the stationary front moves back northward, then comes southward again as a cold front Friday night. Strong thunderstorms are possible as well, mainly late in the day or in the evening. The increasing amount of sun may cause ozone to go low moderate, while PM2.5 remains moderate with limited mixing and continued humid air. Breezy and less humid conditions with slightly above normal temperatures then arrive for the weekend, with air quality mainly in the good range as high pressure slowly builds in from the Midwest.

	Atmospheric Dispersion Index		Wind (dir mph)	Surface Inversion Forecast
Today	<i>Morning</i>	23	W 5-10	--
	<i>Afternoon</i>	64	SW 5-10	--
Tonight	<i>Evening</i>	8	SW 5-10	--
	<i>Overnight</i>	6	SW <5-5	--
Tomorrow	<i>Morning</i>	69	W-SW 5-10	--
	<i>Afternoon</i>	138	SW 10	--

Morning Surface Temperature Inversion Report:

	Surface Temperature Inversion?	Temperature (°C)	Depth (m)	Est. Break Time	Characterization	Upper air Inversion Present?
Today	No	--	--	--	--	No