

July 2, 2024

Air Quality Forecast and Dispersion Outlook for Allegheny County, PA

Prepared by: KLC

Date: 7/2/24

Time: 8:30 AM

	Pittsburgh, PA	Liberty-Clairton Area, PA
Today	Ozone Good 48 AQI	PM2.5 Good 40 AQI
Tomorrow	Ozone Moderate 70 AQI	PM2.5 Moderate 60 AQI

Today's Air Quality Forecast:

Sunshine for the most part Tuesday with a warmer afternoon as temperatures top out into the lower and middle 80s. Ozone will increase some over Monday, but maximums will still be in the good range. PM2.5 may increase Tuesday morning with a weak inversion, but ample late morning/afternoon mixing should cause the overall average to remain in the high end of the good range.

	Atmospheric Dispersion Index		Wind (dir mph)	Surface Inversion Forecast
Today	<i>Morning</i>	52	SE 5-10	Weak
	<i>Afternoon</i>	83	SE 5-10	--
Tonight	<i>Evening</i>	6	SE 5-10	--
	<i>Overnight</i>	7	S 5-10	--
Tomorrow	<i>Morning</i>	49	S 5-10	--
	<i>Afternoon</i>	86	S 10 Gusts 20	--

Morning Surface Temperature Inversion Report:

	Surface Temperature Inversion?	Temperature (°C)	Depth (m)	Est. Break Time	Characterization	Upper air Inversion Present?
Today	Yes	2.6	202	9:00 AM	Weak	No