

May 10, 2024

Air Quality Forecast and Dispersion Outlook for Allegheny County, PA

Prepared by: KLC

Date: 5/10/24

Time: 8:30 AM

	Pittsburgh, PA	Liberty-Clairton Area, PA
Today	Ozone Good 35 AQI	PM2.5 Good 22 AQI
Tomorrow	Ozone Good 40 AQI	PM2.5 Good 38 AQI

Today's Air Quality Forecast:

The clouds, rain showers and northerly to northwesterly winds will stick around for most of the day allowing for overall good air quality. The unsettled weather continues with another low sweeping southeastward from the Great Lakes. Skies may start out partly sunny but quickly showers and thunderstorms will enter the picture keeping air quality again in the good range. High pressure and sunshine builds in for Sunday but still slightly cooler than normal. There should be enough mixing to keep air quality in the upper-good range.

	Atmospheric Dispersion Index		Wind (dir mph)	Surface Inversion Forecast
Today	<i>Morning</i>	31	N 10	--
	<i>Afternoon</i>	44	N 10-15	--
Tonight	<i>Evening</i>	19	N 5-10	--
	<i>Overnight</i>	3	SW <5	--
Tomorrow	<i>Morning</i>	54	S <5-10	Weak
	<i>Afternoon</i>	56	SW 10	--

Morning Surface Temperature Inversion Report:

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