

October 31, 2024

Air Quality Forecast and Dispersion Outlook for Allegheny County, PA

Prepared by: JMM

Date: 10/31/2024

Time: 8:30 AM

	Pittsburgh, PA	Liberty-Clairton Area, PA
Today	PM2.5 Good 40 AQI	PM2.5 Good 37 AQI
Tomorrow	PM2.5 Good 38 AQI	PM2.5 Good 37 AQI

Today's Air Quality Forecast:

Breezy and unseasonably warm Thursday with sunshine to start, then some clouds coming in during the afternoon. Moderate PM2.5 is likely in the morning with a weak inversion, but lower PM2.5 will occur for the remainder of the day. Highs will reach close to 80 degrees, challenging the daily record for Pittsburgh of 79 degrees set in 1950. Showers will occur Thursday night with a cold frontal passage.

	Atmospheric Dispersion Index		Wind (dir mph)	Surface Inversion Forecast
Today	Morning	62	S 10-15	Slight
	Afternoon	82	SW 15-20 Gusts 25	--
Tonight	Evening	19	SW 15-20 Gusts 25-30	--
	Overnight	23	SW 15	--
Tomorrow	Morning	50	W 10-15	--
	Afternoon	50	W 10-15	--

Morning Surface Temperature Inversion Report:

	Surface Temperature Inversion?	Temperature (°C)	Depth (m)	Est. Break Time (EDT)	Characterization	Upper air Inversion Present?
Today	Yes	0.2 °C	142 m	9:30 AM	Slight	No