

August 30, 2024

Air Quality Forecast and Dispersion Outlook for Allegheny County, PA

Prepared by: AW

Date: 8/30/24

Time: 8:30 AM

	Pittsburgh, PA	Liberty-Clairton Area, PA
Today	Ozone Unhealthy for Sensitive Groups 102 AQI	PM2.5 Moderate 57 AQI
Tomorrow	Ozone Moderate 66 AQI	PM2.5 Moderate 54 AQI

Today's Air Quality Forecast:

AN AIR QUALITY ACTION DAY IS IN EFFECT FOR FRIDAY! With plenty of sunshine, a light southwest wind, and high temperatures reaching the lower 90s, ozone formation will be rapid in the late morning and early afternoon. Maximum ozone readings will reach the code ORANGE range. PM2.5 will again be moderate, with highest concentrations coming during the morning as an inversion remains present.

	Atmospheric Dispersion Index		Wind (dir mph)	Surface Inversion Forecast
Today	Morning	16	SE/S <5	Weak
	Afternoon	55	SW/SE <5	--
Tonight	Evening	5	SE 5-10	Weak
	Overnight	5	S <5	Moderate
Tomorrow	Morning	25	S/SW 5-10	--
	Afternoon	42	SW/W 5-10	--

Morning Surface Temperature Inversion Report:

	Surface Temperature Inversion?	Temperature (°C)	Depth (m)	Est. Break Time	Characterization	Upper air Inversion Present?
Today	Yes	2.8	421	11:00AM	Weak	No