

August 23, 2024

Air Quality Forecast and Dispersion Outlook for Allegheny County, PA

Prepared by: AW

Date: 8/23/24

Time: 8:30 AM

	Pittsburgh, PA	Liberty-Clairton Area, PA
Today	Ozone Moderate 58 AQI	PM2.5 Moderate 65 AQI
Tomorrow	PM2.5 Moderate 65 AQI	PM2.5 Moderate 75 AQI

Today's Air Quality Forecast:

High pressure will once again provide mostly sunny skies. Temperatures will be back to near normal levels in the afternoon as highs will be in the low 80s. Another chilly start to the day is expected with a temperature inversion developing overnight. With light winds limiting mixing, PM-2.5 concentrations are expected to continue to climb and reach the low moderate range. Highest hourly readings for the day will likely be during the morning hours and again late evening. With ample sunshine to go with the light winds, ozone concentrations should manage to climb into the low moderate range as well during the afternoon hours.

	Atmospheric Dispersion Index		Wind (dir mph)	Surface Inversion Forecast
Today	Morning	13	SE <5	Strong
	Afternoon	24	SE <5	--
Tonight	Evening	3	E <5	Weak
	Overnight	3	E <5	Moderate
Tomorrow	Morning	18	S <5	Moderate
	Afternoon	47	SW <5	--

Morning Surface Temperature Inversion Report:

	Surface Temperature Inversion?	Temperature (°C)	Depth (m)	Est. Break Time	Characterization	Upper air Inversion Present?
Today	Yes	6.8	143	10:00AM	Strong	No