

August 2, 2024

Air Quality Forecast and Dispersion Outlook for Allegheny County, PA

Prepared by: AW

Date: 8/2/24

Time: 8:30 AM

| | Pittsburgh, PA | Liberty-Clairton Area, PA |
|----------|-----------------------------|-----------------------------|
| Today | PM2.5 Good 48 AQI | PM2.5 Good 48 AQI |
| Tomorrow | Ozone Moderate 60 AQI | PM2.5 Moderate 54 AQI |

Today's Air Quality Forecast:

Clouds and perhaps a little sun Friday. Humid with a couple more showers and thunderstorms across the area. Ozone and PM2.5 concentrations will average in the high end of the good range with the cloud cover and expected rainfall.

| | Atmospheric Dispersion Index | | Wind (dir mph) | Surface Inversion Forecast |
|----------|------------------------------|----|----------------|----------------------------|
| Today | Morning | 18 | SW 5-10 | -- |
| | Afternoon | 39 | SW/W 5-10 | -- |
| Tonight | Evening | 5 | W/S <5 | Weak |
| | Overnight | 2 | S <5 | Weak |
| Tomorrow | Morning | 18 | SW 5-10 | -- |
| | Afternoon | 23 | W 5-10 | -- |

Morning Surface Temperature Inversion Report:

| | Surface Temperature Inversion? | Temperature (°C) | Depth (m) | Est. Break Time | Characterization | Upper air Inversion Present? |
|-------|--------------------------------|------------------|-----------|-----------------|------------------|------------------------------|
| Today | No | - | - | - | None | No |