

# October 17, 2025

## Air Quality Forecast and Dispersion Outlook for Allegheny County, PA

Prepared by: GVP

Date: 10/17/2025

Time: 8:30 AM

|          | Pittsburgh, PA              | Liberty-Clairton Area, PA   |
|----------|-----------------------------|-----------------------------|
| Today    | PM2.5<br>Good<br>43 AQI     | PM2.5<br>Good<br>44 AQI     |
| Tomorrow | PM2.5<br>Moderate<br>54 AQI | PM2.5<br>Moderate<br>54 AQI |

### Today’s Air Quality Forecast:

Mostly sunny with highs in the low to mid 60s. Ozone is in the good range. PM2.5 is in the good range with the highest concentrations likely in the morning due to an inversion, which will dissipate by mid-morning.

|          | Atmospheric Dispersion Index |    | Wind (dir mph) | Surface Inversion Forecast |
|----------|------------------------------|----|----------------|----------------------------|
| Today    | Morning                      | 7  | Calm           | Strong                     |
|          | Afternoon                    | 20 | W < 5          | --                         |
| Tonight  | Evening                      | 2  | S < 5          | --                         |
|          | Overnight                    | 3  | SE < 5         | Weak                       |
| Tomorrow | Morning                      | 18 | S < 5          | Moderate                   |
|          | Afternoon                    | 45 | S 5-10         | --                         |

### Morning Surface Temperature Inversion Report:

|       | Surface Temperature Inversion? | Temperature (°C) | Depth (m) | Est. Break Time (EDT) | Characterization | Upper air Inversion Present? |
|-------|--------------------------------|------------------|-----------|-----------------------|------------------|------------------------------|
| Today | Yes                            | 6.2              | 177       | 10am                  | Strong           | Yes                          |