

# November 21, 2025

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

|                  |                  |               |
|------------------|------------------|---------------|
| Prepared by: AWC | Date: 11/21/2025 | Time: 8:30 AM |
|------------------|------------------|---------------|

|          | Pittsburgh, PA              | Liberty-Clairton Area, PA   |
|----------|-----------------------------|-----------------------------|
| Today    | PM2.5<br>Moderate<br>78 AQI | PM2.5<br>Moderate<br>72 AQI |
| Tomorrow | PM2.5<br>Good<br>50 AQI     | PM2.5<br>Good<br>50 AQI     |

**Today’s Air Quality Forecast:** Dense fog will be present to start the day and likely won’t dissipate until early this afternoon. The rest of the day will feature cloudy skies and highs near 50. The calm winds will cause PM2.5 concentrations to average in the moderate range again today. A few spots may reach code ORANGE concentrations for a few hours. PM2.5 decreases arrive later today as wind increases.

|          | Atmospheric Dispersion Index |    | Wind (dir mph) | Surface Inversion Forecast |
|----------|------------------------------|----|----------------|----------------------------|
| Today    | Morning                      | 14 | CALM           | --                         |
|          | Afternoon                    | 15 | SW 5           | --                         |
| Tonight  | Evening                      | 3  | W 5            | --                         |
|          | Overnight                    | 4  | CALM           | --                         |
| Tomorrow | Morning                      | 21 | CALM           | --                         |
|          | Afternoon                    | 40 | NW 5-10        | --                         |

### Morning Surface Temperature Inversion Report:

|       | Surface Temperature Inversion? | Temperature (°C) | Depth (m) | Est. Break Time (EST) | Characterization | Upper air Inversion Present? |
|-------|--------------------------------|------------------|-----------|-----------------------|------------------|------------------------------|
| Today | No                             | --               | --        | --                    | --               | Yes                          |