ALLEGHENY COUNTY, PENNSYLVANIA

AIR DISPERSION CONDITIONS & OUTLOOK

This AM Sfc. Inv.: 5.6 °C, 328 m. Est Brk Time: 10 am. Upper Inversion(s)*: Yes / No. ☐ ☑

* Starting at ≤ ~1000 m.

Sfc. Inv. Characterization: None ☐/ Slight ☐/ Weak ☐/ Moderate ☐/ Strong ☑

Forecast Period	Dispersion Potential	Mixing Height (ft)	Transport Wind (dir,mph)	Ventilation Rate (mph-ft)	Wind (dir,mph)	Nite Wind (dir, mph)	Tomorrow Wind (dir,mph)	Tomorrow AM Sfc Inv Strength
TODAY	Fair	7460	S 7	52,220	S 5	S 5		
TMRW	Good	8580	SW 8	68,640			SW5	Moderate to Strong

Substantial Precip.: Not Expected ☑/ Begin AM ☐/ Begin PM ☐/ Begin Overnite ☐/ Begin Tmrw AM ☐/ Begin Tmrw PM ☐/ Continue thru: _____.

Remarks:

PA DEP: "A strong inversion will cause fine particulate to be elevated this morning in parts of the area, then some afternoon mixing lowers these concentrations some. Ozone formation will again be ramping up Thursday, but only to the upper moderate range Thursday afternoon."

Today's forecasted 24-hr air quality index (AQI) for ozone in the Pittsburgh area is 87 which is in the Moderate category. Inversion is expected to break around 10 am today.

Data and forecasts provided by or based on National Weather Service (NWS) Fire Weather Planning Forecast and PIT NWS products, et al.

Prepared by: Caitlin Grosse. **Date:** May 20th, 2021 Thursday. **Time:** 8:30 am.

ALLEGHENY COUNTY HEALTH DEPARTMENT, AIR QUALITY PROGRAM, PITTSBURGH, PA

AJS, ACHD/AQP, Sep 2015