ALLEGHENY COUNTY, PENNSYLVANIA

AIR DISPERSION CONDITIONS & OUTLOOK

This AM Sfc. Inv.: 6.4 °C, 222 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	10,100	N 6	60,600	NW 5	NW 5		
TMRW	Poor	9,240	SW 3	27,720			S 5	Moderate to Strong

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

Remarks:

From PA DEP: "APM2.5 levels will be elevated this morning between 4 am and 10 am due to a moderately strong inversion, but concentrations will then decrease by the early afternoon. Nonetheless, Liberty-Clairton will have daily PM2.5 averages in the moderate range with a light north wind."

Today's forecasted 24-hr air quality index (AQI) for particle pollution in this area is 56 which is in the Moderate range.

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 14th, 2021 Friday. **Time:** 8:21 am.

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

AJS, ACHD/AQP, Sep 2015