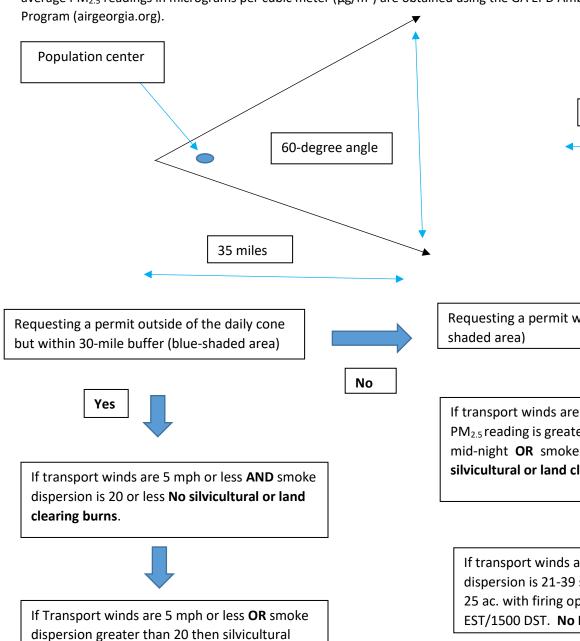
Inverted V-Smoke Albany Pilot Project v2.0 Decision Matrix

Each side of the cone will be 35 miles overall length. The core population center will be 5 miles from the vertex. This allows for inclusion of population area most susceptible to downwind smoke impact as the cone swings around to face the prevailing transport wind direction. Forecasted 1400-hr transport wind direction and speed for the population center will be used to set the daily cone position. Forecasts are obtained using the National Weather Service fire weather forecast system. 24-hour average $PM_{2.5}$ readings in micrograms per cubic meter ($\mu g/m^3$) are obtained using the GA EPD Ambient Air Monitoring



maximum acreage is 25. No Land Clearing

If transport winds are 6 mph or greater and

screening processes for all burn types.

smoke dispersion is greater than 20 **Proceed as**

normal using standard fire weather and smoke

burns are allowed.

Requesting a permit within the cone (yellow-shaded area)



Wind direction

If transport winds are 5 mph or less **OR** the 24-hour $PM_{2.5}$ reading is greater than or equal to 27 $\mu g/m^3$ at mid-night **OR** smoke dispersion is 20 or less **No** silvicultural or land clearing burns within the cone.



If transport winds are 6-8 mph, **AND** smoke dispersion is 21-39 silvicultural max acreage is 25 ac. with firing operations complete by 1400 EST/1500 DST. **No Land Clearing burns.**



Tier 1: If transport winds are 9+ **AND** smoke dispersion is 40-69 then max acreage is 100 ac. with firing operations complete by 1400 EST /1500 DST. Land clearing 2 acres or less inside the cone when this level is achieved.

Tier 2: If transport winds are 9+ **AND** smoke dispersion is 70+ then max acreage is 250 ac. with firing operations complete by 1400 EST/1500 DST. Land clearing max acreage is 5 ac. inside the cone when this level is achieved.