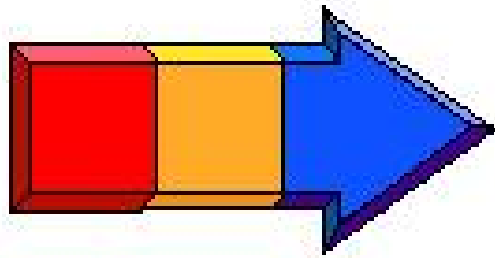


**Fine Particle**  
**Air Quality Task Force**  
**(AQTF-PM)**



**PM<sub>2.5</sub>**

**July 26, 2007**

# Final Clean Air Fine Particle Implementation Rule



EPA Office of Air Quality Planning and Standards

April 2007

Modified by Jon Trout

Louisville Metro Air Pollution Control District

# Pollutants to Address in Attainment Plans

- **Direct PM2.5 and SO2**: must be evaluated for control measures in each area
- **NOx**: Sources of NOx must be evaluated for control measures in each area, unless the State and EPA provide a technical demonstration showing that NOx emissions from sources in the State do not significantly contribute to PM2.5 concentrations in a specific area
- **VOC**: Sources of VOC are not required to be evaluated for control measures in each area, unless the State or EPA provide a technical demonstration showing that VOC emissions from sources in the State significantly contribute to PM2.5 concentrations in a specific area
- **Ammonia**: Sources of ammonia are not required to be evaluated for control measures in each area, unless the State or EPA provide a technical demonstration showing that ammonia emissions from sources in the State significantly contribute to PM2.5 concentrations in a specific area

# Condensable Particulate Matter

- **PM is comprised of filterable and condensable emissions.**  
Condensable emissions can be a significant percentage of direct PM<sub>2.5</sub> emissions from specific sources.
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- Condensables have been required for inclusion in national emission inventories for a number of years based on emission factors
- While test methods are available(?) for source-specific measurement of condensable emissions, concerns remain about uncertainties and development of enforceable emission limits for many sources in a short period of time.
- For sources included in PM<sub>2.5</sub> attainment plans, emissions limits including condensables are not required until after January 2011.
  - EPA encourages States that have required emissions testing and established emission limits for condensables to continue doing so
- Transition period activities
  - Work with ASTM to revise and validate future test method, updating method 201A and 202
  - Conduct testing with stakeholder groups
  - Update emissions factors

# Contingency Measures

- To be implemented without further action if area fails to attain by its attainment date or fails to meet RFP requirements.
- Need to be measures other than those required for attainment or to meet RFP
- Level of reductions: one year's worth of reductions needed for attainment in the area