

STAPPA/ALAPCO  
Enforcement and Compliance Conference  
June 2006

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# PM<sub>2.5</sub> Implementation

- SIPs are due in 2008
  - What data are available for SIP development?
  - What additional data/information will you need from EPA?
- Subsequent SIP revisions/corrections
  - How much time will you need to get the data/information you need subsequent modifications to your SIPs?
  - Given tight resources and a fairly big need to develop a data base for the fine fraction of PM, and better data base for condensibles, what are biggest priorities?
  - Should we focus on point sources in areas that are most likely to be in nonattainment after 2010?
  - What are biggest opportunities to piggyback on existing tests?

# PM<sub>2.5</sub> Implementation (cont.)

- Implementation issues
  - Will permits or SIPs need to be modified to conduct proper PM<sub>fine</sub> monitoring and testing?
  - There are few condensable emissions factors.
  - Other issues that we need to consider?
- How might S/Ls influence improving methodologies to estimate direct particulate matter emissions?

# Umbrella Monitoring Rule

- On 5/25/06, we proposed for comment our interpretation that parts 70 and 71 should **not** be used to assess or supplement monitoring requirements. There is no change to the rule language. Action responds to Court decision to vacate the January 2005 FR “final rule.”
- This proposal also withdraws the 09/17/02 FR proposal to change the rule language to require S/L permitting agencies to review existing monitoring and to enhance inadequate monitoring in operating permit applications.

# Periodic Monitoring Rule

- “Proposal of Revisions to Part 64 - Compliance Assurance Monitoring Rule,” which would revise part 64 and parts 70 and 71.
- Expand on the periodic monitoring requirements in parts 70 and 71.
- Define when monitoring conditions in an applicable requirement (e.g., SIP rule) may be needed in order to provide a reasonable assurance of compliance.
- Require source owners to review the basic elements of monitoring on a pollutant-specific emissions unit basis and identify potential gaps in the existing monitoring requirements relative to pre-established gap tables.

# Periodic Monitoring Rule (cont.)

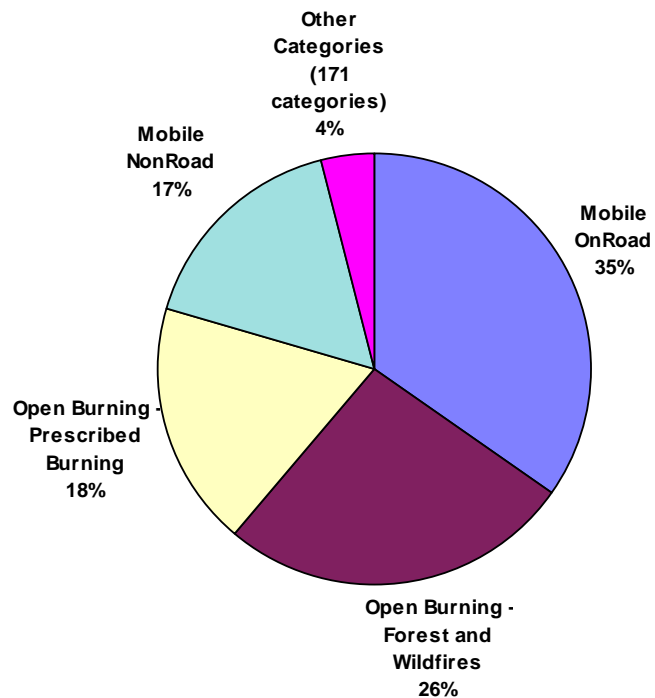
- Sources assess potentially inadequate existing monitoring and upgrade monitoring to provide a reasonable assurance of compliance with applicable emissions limits.
- Source owner submits the proposed monitoring in a part 70 or part 71 operating permit application (new or renewal).
- The rule will affect all major sources subject to part 70 or part 71 permits and nearly all emissions units at those sources with emissions limitations.
- Peter Westlin, [westlin.peter AT epa.gov](mailto:westlin.peter@epa.gov)

# Emission Inventory Data Analysis Team

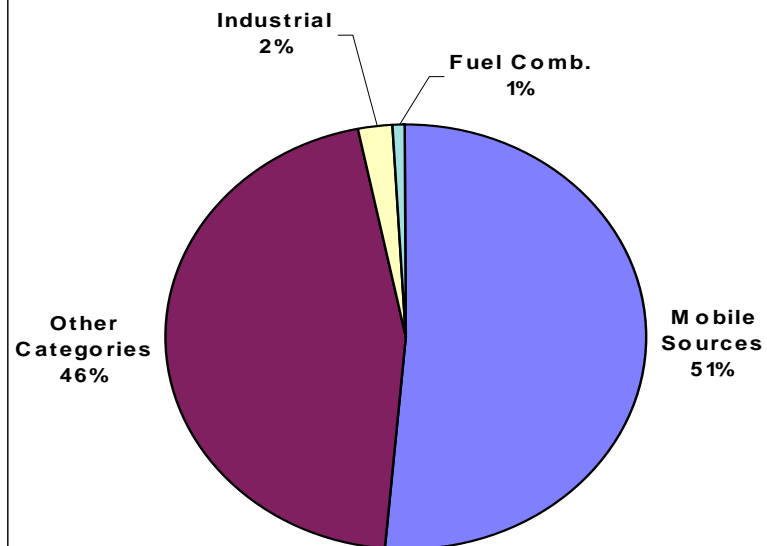
- Team formed as part of the ***NEI Reinvention Process***
- ***Mission:***
  - Use relevant data sources to better understand the EI including trends, relative importance and accuracy of source categories, areas and relationships (e.g., economic, ambient, health and ecosystem, etc.)
  - Promote more effective and accurate air quality, risk management and EI support for OAQPS programs and projects
  - Identify and recommend action for inventory, modeling, and monitoring discrepancies, and
  - To make best use of EI resources.
- Analysis of the 2002 NEI is initial focus
- ***Our team seeks information from you*** as to the type of data analysis you feel would be most helpful for state and locals

# Methyl Ethyl Death Sample Analysis

**2002 Emissions:**  
**Detailed Source Categorization**

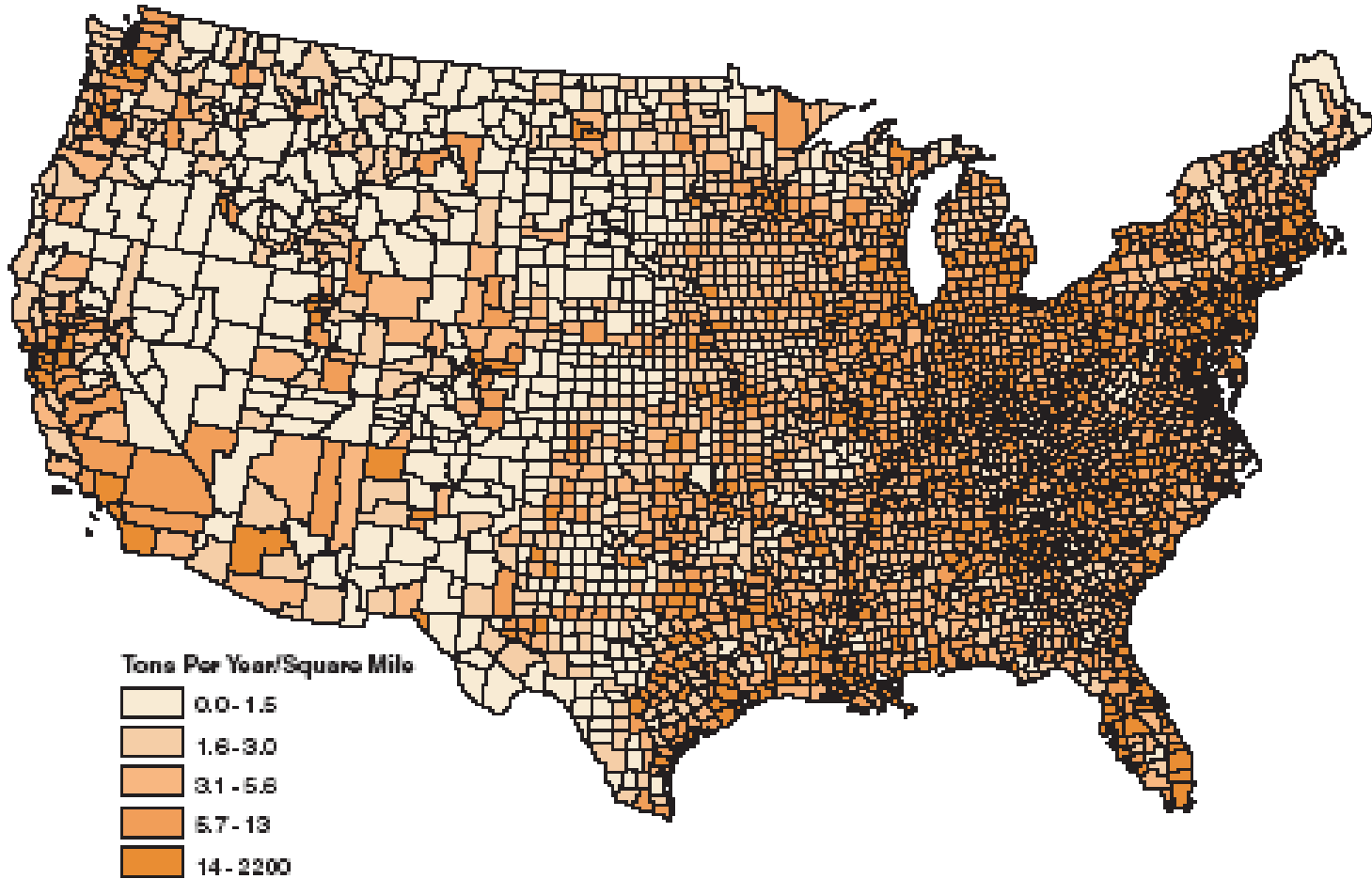


**2002 Emissions:**  
**Major Source Categorization**

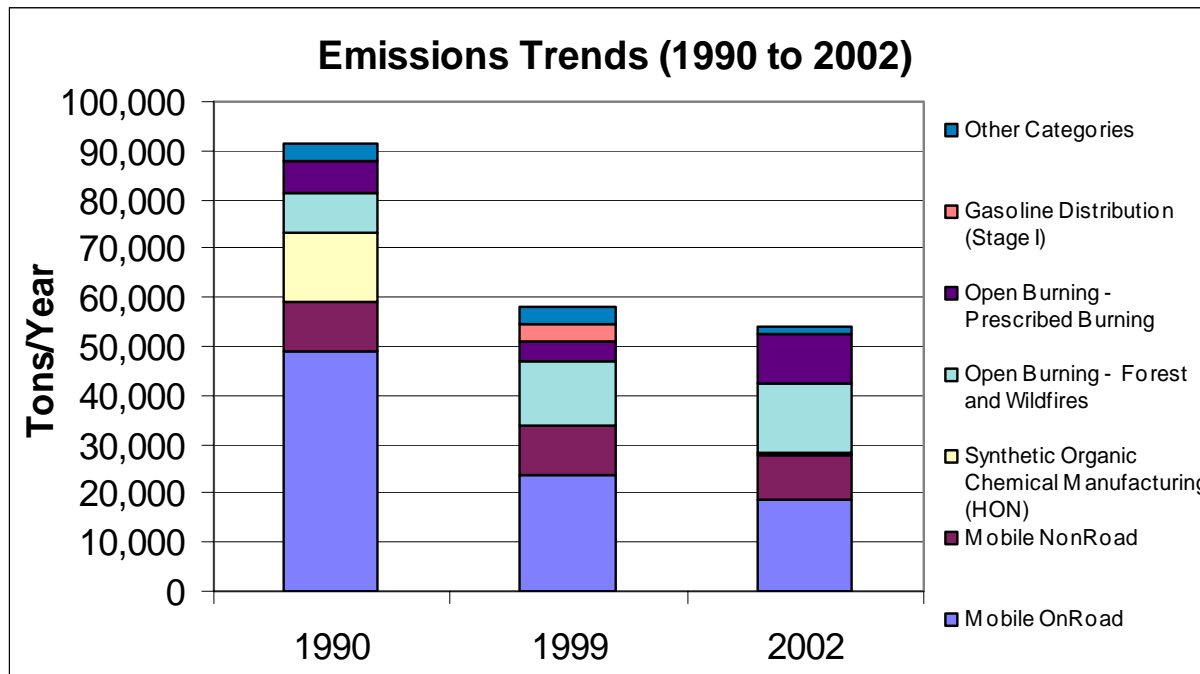




# Example Density Map



# Methyl Ethyl Death Sample Analysis



**Change in Emissions (Percentages)**

	'90 to '99	'90 to '02	'99 to '02
Mobile OnRoad	52%	62%	21%
Mobile NonRoad	1%	10%	9%
Synthetic Organic Chemical Manufacturing (HON)	100%	98%	-1059%
Open Burning - Forest and Wildfires	-68%	-79%	-6%
Open Burning - Prescribed Burning	46%	-49%	-175%
Gasoline Distribution (Stage I)	-23410%	19%	100%
Other Categories	3%	47%	46%
<b>TOTAL</b>	<b>37%</b>	<b>41%</b>	<b>7%</b>

**Change in Emissions (Tons)**

	'90 to '99	'90 to '02	'99 to '02
Mobile OnRoad	25,266	30,346	5,080
Mobile NonRoad	147	1,005	858
Synthetic Organic Chemical Manufacturing (HON)	14,295	14,004	-291
Open Burning - Forest and Wildfires	-5,470	-6,298	-829
Open Burning - Prescribed Burning	3,033	-3,251	-6,283
Gasoline Distribution (Stage I)	-3,801	3	3,804
Other Categories	101	1,596	1,495
<b>TOTAL</b>	<b>33,570</b>	<b>37,406</b>	<b>3,835</b>