

CAAAC AQM Phase I Recommendations Implementation



Report to CAAAC

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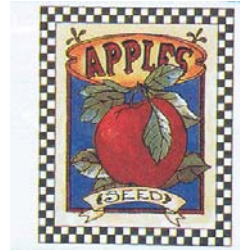
January 11, 2007

Overview— From the Orchard

- Completed: 14
- Will be complete in 2007: 17
- Longer Term: 4
- “Dormant”: 3



NRC's Areas for Improvement



1. Strengthen Scientific and Technical Capacity
2. Expand National and Multistate Control Strategies
3. Transform the SIP Process
4. Develop Integrated Program for Criteria and Hazardous Air Pollutants
5. Enhance Protection of Ecosystems and Public Welfare

1. Strengthen Scientific and Technical Capacity

- 5 Recommendations
- Results:
 - New Air Emissions Reporting Requirements
 - Current revamping of the Emissions Inventory
 - Better knowledge of monitoring and modeling data
 - Significant progress towards establishing a mercury deposition monitoring network

1.3 Uncertainty in Emission Inventories and Modeling

- EPA is putting \$3.1 million into revamping the National Emissions Inventory to provide more meaningful emission information including multipollutant information, as well as easier access to and revision of information as updates are available

1.4 Multipollutant Monitoring

- EPA is working on finalizing the national multipollutant monitoring strategy which includes an evaluation of the existing monitoring network to be completed by April 2007.

5. Enhance Protection of Ecosystems and Public Welfare

- Better overall integration of ecosystem protection into ongoing work
 - CAMR and CAIR assessment baselines
 - Work with other parts of EPA on assessments for water
- Coordination with other government and nongovernmental entities to streamline activities
 - Inter-Agency Workshops to share data and processes

2. Expand National and Multistate Control Strategies

- 13 Recommendations
- Results:
 - Better inventories and data on many sectors including boilers and coatings leading to efficient control
 - New rules and voluntary programs for many kinds of engines and home heating (oil and wood) leading to reductions in PM and other pollutants

2.3 Non-Industrial Solvents (Consumer Products) and 2.4 Architectural Coatings

- Amending the Consumer products national rule to conform with the latest Ozone Transport Commission (OTC) categories and limits. Working to align the US and Canadian measures to foster trade and simplify compliance for manufacturers.

2.6 Emissions from Ships, Locomotives and Aircraft and Mobile Source Air Toxics

- Rulemaking processes underway:
 - Current plans call for an NPRM on locomotive and marine diesel standards in early 2007;
 - Development of an ANPRM for ocean-going marine engines and their fuels during the first half of 2007;
 - NPRM on small gasoline engines in early 2007;
 - Final rule on air toxics by February 9, 2007.

2.7 Cement Manufacturing, Petroleum Refining, and Pulp and Paper

- After EPA's initial evaluation of these three industrial sectors, we have now formed three separate teams to work with each industry sector to develop any appropriate additional reduction strategies

2.10 Residential Wood Smoke

- Libby, Montana changeout to be complete by early 2007 (monitoring for both PM2.5 and toxics will continue).
- In FY2006 a dozen woodstove changeout programs took place across the country resulting in more than 40 tons of PM2.5 reductions annually.

Outdoor Wood-fired Hydronic Heaters (Outdoor Wood Boilers)

- EPA's stakeholder process will culminate with the roll out of a Phase 1 Voluntary Program and a NESCAUM Model Rule by the end of January 2007.
- Manufacturers have agreed to sell cleaner models by April 2007 (approximately 70% less fine particles).

3. Transform the SIP Process

- 16 Recommendations; 9 are complete
- Innovative Measures easier to use in SIPs
- Sample Protocol for SIP Development is in place
- EPA Guidance will be issued in a timely fashion and made easily available

3.6 Avoid Unnecessary Public Hearings



3.15 Periodic Assessments to Track Progress

- Efforts are underway to expand accountability assessments to include multipollutant impacts with a draft multipollutant report anticipated in early summer 2007.

4. Develop Integrated Program for Criteria and Hazardous Air Pollutants

- 3 Recommendations
- Internal and external methods have been developed that allow multiple pollutants to be considered simultaneously
- OAQPS has created the Sector Policies and Programs Division

Future Action



- Last Recommendations
- Moving on to Phase II