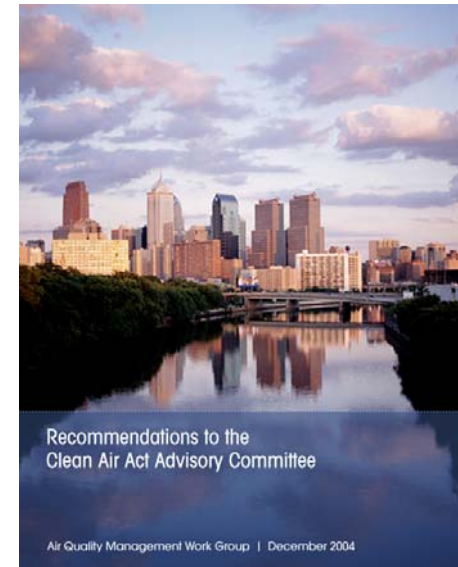


# Air Quality Management Work Group

## Report to the Clean Air Act Advisory Committee

December 16, 2004



# Work Group Charge

- Develop recommendations to advise the CAAAC on improving the air quality management system in this country considering the NRC's report – Air Quality Management in the United States
- Initial focus on actions and opportunities available in the next 1 to 5 years to improve air quality management, especially for ozone and PM 2.5 NAAQS, regional haze, and integration of air toxics

# Work Group Representation

- Forty-three (43) organizations represented:
  - 25 CAAAC (~ 80% active), 17 Non-CAAAC, and EPA
    - 15 State/Local/Tribal
    - 4 Regional Organizations
    - 17 Industry
    - 3 Environmental/Public Health
    - 4 Other
- Fifty-eight (58) total members (including alternates)
- Plus 42-member Mobile Source Technical Review Subcommittee
- Advisors: NRC – Dan Greenbaum and Michael Bradley

# Work Group Process

- June to December 2004 – Work Group considered many options to improve the air quality management system consistent with NRC's Report.
- Recommendations were developed and prioritized by teams (high, medium and low)
- Reviewed and revised by both the Subgroups and the AQM Work Group
- Goal was “substantial consensus”

# Work Group Results

- Report to the Committee includes:
  - 38 recommendations to advance to EPA
  - 11 recommendations need continued discussions
  - Draft long-term air quality management options need continued discussions
  - Recommendation to form new CAAAC Subcommittee
  - Recommendation for Work Group to continue until Subcommittee is formed.

# Major NRC Recommendations

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

# NRC 2: Expand National and Multistate Control Strategies

## **NRC RECOMMENDATION 2: Expand National and Multistate Control Strategies**

**NRC ACTIONS:** Expand federal emission controls, emphasize technology-neutral standards, use market-based approaches, reduce existing-sources emissions, and address multistate regional transport

# NRC 2: National/Multistate Strategies

## **Further Study and Possible National and Regional Regulations (mobile)**

### 2.5 Existing heavy duty diesel fleet

- In-use testing
- Retrofits
- Idling practices
- Some supported more aggressive actions including retirements and retrofits

# NRC 2: National/Multistate Strategies

## Nat'l Guidance for Local Controls (cont)

### 2.12 High Emitting Gasoline Vehicles

- Improve inventories
- Enhance in-use testing capabilities
- Support local testing and enforcement

### 2.13 Conformity

- Transportation planning should continue
- Protect sensitive populations/expand emissions budgets to limit other sectors

# NRC 3: Transform the SIP Process

## **NRC RECOMMENDATION 3: Transform the SIP Process**

**NRC ACTIONS:** Replace state implementation plan with integrated multipollutant air quality management plan and reform process to focus on tracking results using periodic reviews, encouraging innovative strategies, and retaining conformity and federal oversight

# NRC 3: Transform the SIP Process

## **Streamlining the SIP Process**

3.1 Align SIP Submittal Dates

3.2 Protocol for SIP Development

3.3 Clearinghouse of Approved SIPs

3.4 Streamline Minor SIP Revisions

3.5 Timely EPA Guidance

3.6 Avoid Unnecessary Public Hearings

3.7 Facilitate Redesignation Process for Certain Areas

# NRC 3: Transform the SIP Process

## **Measures to Improve Communication to the Public**

3.8 Effective Communications with Constituencies

3.9 Co-Benefits of Innovative Measures

# NRC 3: Transform the SIP Process

## **Steps to Increase Adoption of Innovative Measures**

3.10 Innovative and Voluntary Measures

3.11 SIP Credits for Bundled Innovative Measures

# NRC 3: Transform the SIP Process

## Steps to Improve Tracking and Evaluation of Results

3.14 Weight-of-Evidence Demonstrations

3.15 Periodic Assessments to Track Progress

3.16 Averaging, Banking, and Trading in Gasoline Sulfur Program

# Process for Implementation Continued Discussions

- Recommend new subcommittee be formed to continue efforts started by this Work Group
  - Work with EPA to set priorities and implement recommendations
  - Track progress
  - Resolve issues deferred by this Work Group
  - Resolve long-term vision and framework discussion started by this Work Group
  - Work with EPA to adjust any of earlier recommendations based on long-term framework decisions
- New subcommittee should coordinate implementation efforts with other CAAAC Subcommittees