



CAAAC Work Group: Multi-pollutant, Sector-based Approaches to Air Pollution Control

Update on WG Activities Presentation for CAAAC

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Summary

- EPA's Multi-pollutant Sector-based Approaches
- Work Group Purpose and Objective
- Work Group Roundtables
- Early Observations from the Work Group
- Next Steps



EPA's Multi-pollutant Sector-based Approach



- Since 2004, EPA has invested in a more integrated multi-pollutant approach
 - Working with stakeholders to understand and establish priorities
 - Improving emission inventories
 - Integrating criteria air pollutants, hazardous air pollutants and greenhouse gases emissions and control databases
 - Grouping air rules by industrial sectors
 - Conducting comprehensive review of multiple rules
 - Harmonizing regulatory schedules
 - Leading the development of integrated approaches for industrial sectors
 - Cement, Oil and Gas, Refineries, Chemical Manufacturing
 - Reorganizing into sector teams to better serve the mission of protecting human health and the environment

Work Group Purpose and Objectives



- Share developments on EPA's sector-based, multi-pollutant approaches with a diverse group of stakeholders, and
- Obtain advice from the Work Group regarding opportunities and challenges for advancing these approaches.



Sector Roundtable Discussions



- WG conducted two 1-day roundtable discussions to explore the attributes and investigate the opportunities and challenges of moving towards a multi-pollutant system of air pollution regulation at stationary sources
 - **Iron and Steel**
 - U.S. Steel, Arcelor Mittal, Nucor, American Iron and Steel Institute
 - **Chemical Manufacturing**
 - 3M, Flint Hills Resources, American Chemistry Council, Koch Industries

Roundtable Topics



- Overarching questions included:
 - How might a sector-based, multi-pollutant strategy optimize the reduction of air pollution for the sector?
 - What might optimization look like when considered in terms of emissions reduction, risk and impacts reduction, environmental justice, cost reduction, certainty, and operational and compliance flexibility?
- Topic areas included:
 - Timing and sequencing of regulations and requirements
 - Source definition and scope of applicable requirements
 - Monitoring and data
 - Reporting and record keeping
 - Emissions control technology and approaches
 - Energy use and efficiency improvement
 - Community-focused strategies

Early Observations from Work Group Discussions



- Strong interest persists for multi-pollutant, sector-based approaches from all stakeholders in the Work Group.
- Equal or better environment, public health and economic results is the goal
- Community involvement is a key to success.

Opportunities	Challenges
Harmonize regulatory schedules	Enforceability or legality of integrated approaches within CAA boundaries
Streamline monitoring, record-keeping and reporting requirements	Trade-offs/Balancing of local vs. regional vs. global environmental goals
Use of new monitoring technologies, including CEMs and fenceline monitoring	Permitting and implementation guidance development must take place prior to, rather than after, integrated rulemakings.
Quantify emission reductions co-benefits	Community level involvement prior to and during specific strategy/regulatory development

Next Steps



- Drafting the report that will be presented to the CAAAC Subcommittee
- Work Group will revise/review the report in Summer 2011
- Will submit the report to CAAAC in Fall 2011



Any Questions?

Thanks!

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