

# National Emission Inventory Program Update

Doug Solomon -US EPA  
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# AERR Update



# Why Was the AERR Developed?

- Early emissions reporting requirements were located in several areas of the Code of Federal Regulations (CFR)
- The Consolidated Emissions Reporting Rule (CERR) initiated the process of organizing and simplifying emissions reporting requirements
- The AERR continued to organize and simplify emissions reporting requirement by:
  - Harmonizing CERR and NOx SIP Call reporting requirements
  - Deleting, adding and revising data elements to update reporting requirements

# When Will the AERR be Implemented?

- Implementation begins with the 2009 inventory
- 2009 and 2010 will be Type A source reporting years
- 2011 will be the first triennial (comprehensive) inventory
- Therefore, states will have two years of large point source data reporting to become familiar with the new AERR and EIS requirements before a comprehensive inventory is required

# Reporting Changes in AERR

- Actual emissions must be reported, but the threshold limits for point source reporting requirement have changed from using actual emissions to the major source definition in 40 CFR part 70 which uses “potential to emit”
- The AERR requires emissions to be reported within 12 months from the end of the inventory year rather than 17 months under the CERR

## Reporting Changes in AERR (con't)

- No biogenic emissions requirement
- Model inputs in lieu of emissions will be acceptable
- Data elements for reporting have been updated
- Summer day emissions of VOC and NO<sub>x</sub> for ozone nonattainment areas only
- Winter work weekday emissions of CO required for nonattainment areas and areas with maintenance plans.

# Reporting Changes in AERR (con't)

## ➤ Particulate Matter

- PM primary (sum of filterable and condensible components) must be reported as under the CERR
- Reporting of the filterable and condensible components is a new requirement
- We added the component reporting requirement to help us understand what was being reported as PM primary

# What's Next for the AERR?

- Lower Pb reporting threshold
- Require reporting for HAPS ???

# NEI/EIS Update



# Goals of the Reinvention

- Better quality emission measurements and estimates
- More stakeholder collaboration
  - Not changing S/L/T data
  - AQ community acceptance of NEI
- Better tools
  - Emission Inventory System (EIS)
  - Faster development
    - Improved quality with less burden
  - Better access and more transparency

# The Emissions Inventory System: Project Description

- Develop a new process for submitting, developing, quality assuring, storing and distributing emissions inventory data.
- Develop a system and applications to support the new process that conforms to the agency's strategic plans for air quality and information management

# The Emissions Inventory System

- **Will generate the National Emissions Inventory (NEI)**
  - 2008 NEI by 12/2010
  - Subsequent NEIs 18 months after the end of the year inventoried
- **Comprised of four components**
  - EIS Gateway
  - Submission access through EPA's Central Data Exchange (CDX) Node
  - Public access to data
  - Tools and resources

# EIS Gateway – Current Features

- Manage user profile information
- Add, view and edit facility inventory information for their agency
- Downloading a batch of all of your facility inventory data
- Query facility inventory data (EPA users)
- Access reporting codes
- Request support from the EPA through a central message center

# EIS – Future Features

- Access to 2002 and 2005 emissions data - May 2009
- Access to more inventory development resources - July 2009
- Batch uploads of Facility and Emissions data – July 2009
- QA Environment – July 2009
- Analytical tools for data submitters – Early 2010
- Access to the 2008 draft and final emissions inventories – Late 2010