

2002 National Emission Inventory (NEI) Plan

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 - For: SAEWG
 - Location: San Francisco
 - Date: 10/18/03

Purpose of this Briefing

- Share our current thinking
- Get your reaction at this stage
- Consult on our plans for outreach to other stakeholders

Purpose of the 2002 NEI

- Key input to regional/national modeling by RPO's, EPA, S/L/T's, etc.
- Basis for NATA type risk analyses
- Starting point for rule development (like 99NEI was for Nonroad Rule, Transport Rule, Clear Skies)
- Trends and GPRA tracking
- Public information (esp. important with expanded use of web)

Changes compared to 1999 NEI

- Updated input formats (NIF 3.0 & XML Schema)
- Integrating HAPs and criteria data
- Implementing EPA Data Standards
- Incorporating Facility Registry System ID's
- More automated approach
- One round of S/L/T input/revisions
- CERR in place
- Peer Review of final product & methodology

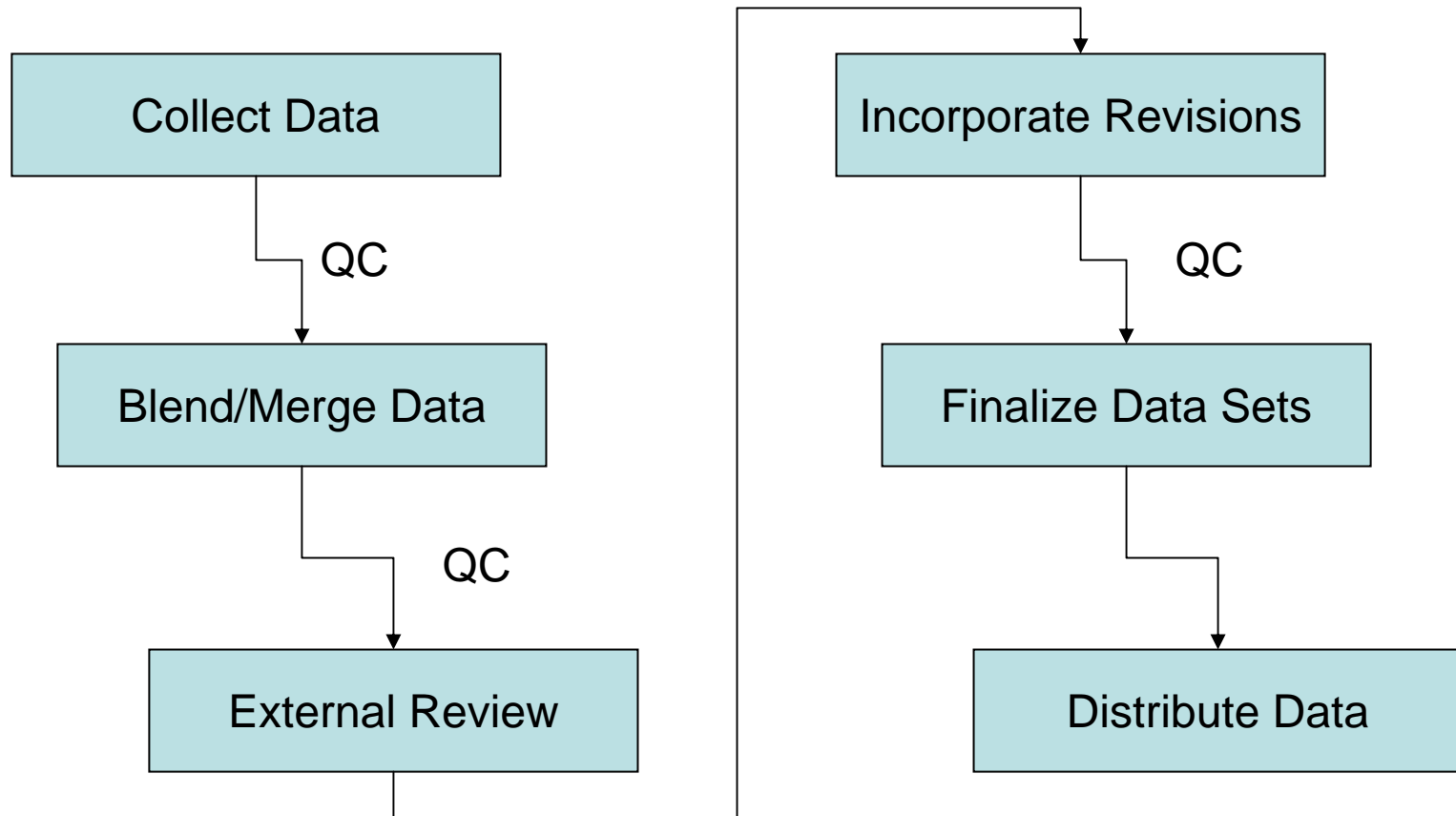
Starting Points

- 1999-2001 NEI just completed
- NIF, XML, CDX
- QA tools
- NEI Oracle data base
- Commitment to peer review
- EPA Info Quality guidelines

Starting Points (cont.)

- Data from:
 - CERR reporting
 - Recent efforts on livestock, comm. cooking, solvents
 - Voluntary HAP data from States/Locals/Tribes
 - ESD-assembled data
 - TRI
 - CAMD's and DOE's EGU databases
 - CAMD's Industrial Boiler efforts
 - FHWA VMT, OTAQ's models
 - RPO efforts

Major Steps for 2nd Version



Schedule

- Initial version released January 2004
- S/L/T/I data submittals by June 1, 2004
- External review begins ~ January 2005
- 2-3 month period for review/revisions
- Finalize data ~ October 2005
- Post all data files and outputs ~ December 2005

Major NEI Issues

- Capability of states to meet CERR
 - EF's and other tools
 - Timeline
- What emissions period(s), and how?
- EGUs – federal data only?
- Biogenics
- Mobile sources - Tons vs. model inputs
- Agriculture issues
- Fires and open burning issues Fugitive dust
- Coordination with RPO inventory efforts
- Relationship to future SIP inventories
- Subsequent versions/version proliferation
- Data storage and access
- QA/QC
- Peer review

EPA's QC Priorities for S/L/T's

- We are able to estimate emissions for electric generators, area sources, mobile sources
- Need State/Local/Tribes to provide data for and/or look closely at:
 - Nonutility point sources
 - Certain area source categories
 - Largest emitters for each pollutant (eg top 50)
 - Emissions, units (tons, lbs), stack parameters, locational coordinates
- Use consistent site ID's. If starting a new ID system, give EPA a crosswalk.

Need Nonutility Point Data

Circle Plot of NH₃ Sources

CASE: baseD



Related Issues

- Mexico and Canada
- Emissions modeling

Special issues/plans for specific source categories

- Onroad - NMIM, NH₃
- Nonroad - NMIM, NH₃
- CAFO - NH₃, PM
- Residential fuel
- Solvents
- Biogenics
- Wildfires
- Prescribed fires
- Ag fires
- Dust
- Fertilizer NH₃
- POTW NH₃
- EGUs
- Industrial boilers

Next Steps

- Outreach: OAQPS/OAR, EPA RO's, RPO's, STAPPA/ALAPCO Emissions & Modeling Committee, Tribes, etc.
- Revise plan based on input
- Meetings w/ EPA RO's & S/L/T's
- Finalize and post initial version of '02 NEI
- Prepare for June 1, 2004 EI submittals

Questions

- What important topics were not discussed in this briefing?
- What parts of the plan should we post?
- What do we need to improve from the 1999 NEI process (i.e. what went wrong)?
- What do we need to continue from the 1999 NEI process (i.e. what went right)?