
**Issues & Goals for the
National Fire Emissions
Technical Workshop
Session PL2(b)**

Thompson G. Pace

US EPA

May 4, 2004

Why We ALL Need Good Emissions Inventories

- **Basic** ~ was there (will there be) a fire at location x,y at time t ?
 - *Qualitative* Retrospective Analyses
 - PM2.5 Exceedances
 - Natural Events & Wildland Fire (WLF) Policies
 - Burn – No Burn Decisions
 - **Detailed** ~ What & how much was emitted ?
 - *Quantitative* Retrospective Analyses
 - Causes & contributors to 20% worst days
 - PM2.5 State & Tribal Implementation Planning
 - Forecasting – role of fire on future AQ
 - Natural Events & Wildland Fire Policies
 - Burn – No Burn Decisions
-

Issues / Goals (NOW thru April 2005)

2002 EI for RPO & EPA Haze & PM2.5 SIPs

■ **Timing Issues**

- 2002 NEI – Final 12/05 ~ changes taken until “at least” 4/05
- RPOs ~ 2002 EI – RPOs may “freeze” before or after 4/05

■ **Consistency Issues**

- Fire Events: Completeness/consistency, Black acres, Location
- Fuel Consumption & Emission Factors
- Plume Rise
- ERT's
- Projections

■ **Process-based Emissions Estimation Methods**

- Consistent methods
 - Improved accuracy
 - WILL be available in time to use for later modeling runs
-

Issues / Goals (beyond April 2005)

Ongoing EI Development

■ **Fire Event & Activity Data**

- Complete
- Consistent
- Available & timely
- Archived
- Don't wait for the "perfect" system to get started

■ **Process-based emission models**

- Continue development in all aspects of emission estimation
-

When this workshop is over...

■ **We should:**

- Understand how WLF data from Mexico and Canada is developed
 - Understand “**yesterday’s**” weaknesses in WLF EI
 - Agree on where we want / need to be “**Next year**”
 - Agree on interim approach to take “**Now thru April 2005**”
 - Agree on “**Action Items**”
 - Provide the Interagency team (that’s charged with working on fire event data needs) and State, Tribe & private burners with sound criteria & general approach(es) to obtain fire event data.
 - Provide critical input to the technical teams that are continuing to work on emission estimation tools, emission reduction techniques, projections and remote sensing.
-

Charge to Facilitators, Session Leads & Note-takers

- You have a set of “**Questions**” that have been prepared to frame the discussions.

 - We **encourage** you to be flexible and redefine and supplement the questions as dictated by the presentations and discussions.

 - Keep in mind...
 - **2 Time Windows:**
 - Now thru April 2002 for changes to 2002 WLF EI
 - May 2002 & Beyond
 - **Immediate Changes:** What can (should) we begin doing NOW ?
 - **Longer Term Changes:** What should we be doing in 1-2 years ?
 - **Roadmap & Action Items:** How do we get from NOW to THEN ?
-

Good Luck ! Any Questions ?

