

# SIP Gridded Inventory Coordination Group

## Conference Call

**Meeting Highlights**  
**February 26, 2003**

<b>Attendees</b>	<b>Affiliation</b>
Amir Fanai	Bay Area AQMD
Glen Long	Bay Area AQMD
Toch Mangat	Bay Area AQMD
Phil Martien	Bay Area AQMD
Bruce Katayama	Sacramento Metro AQMD
Aleta Kinnard	Sacramento Metro AQMD
Hao Quinn	Sacramento Metro AQMD
Greg Tholen	Sacramento Metro AQMD
Cyndi Loomis	Alpine Geophysics
Jim Wilkinson	Alpine Geophysics
Vernon Hughes	ARB
Ajith Kaduwela	ARB
Cheryl Taylor	ARB

### **1. Welcome**

Cheryl welcomed everyone to the call. Introductions were made.

### **2. General Discussion**

#### **a) Purpose of the Coordination Group**

This group was formed out as an outgrowth of the February 19 modeling conference call, where several districts expressed a desire to review the gridded inventories to be used in modeling for the SIPs. The group agreed that the more people who review the inventories, the more likely they will spot problems quickly. More reviewers can also share the burden of reviewing such large amounts of information. The districts have specific knowledge about the inventories in their regions so are more likely to discover problems.

#### **b) Goals/Expectations of the Group**

The goal of the group is to provide gridded inventories for review in an easily accessible and coordinated manner. There are several gridded inventories that will be available for review by the group, including episodes for July/August 2000, September 2000, and June 2000. The creation of gridded inventories for July 1999 and a 2002 episode are being considered. ARB, Alpine Geophysics and Environ are creating pieces of the various gridded inventories. ARB will receive all the pieces and will be assembling them for each episode. The group agreed that inventories should be made available for review whenever they are available, regardless of priority for the SIPs. Cheryl will distribute minutes.

**c) Timeframe for Reviewing Inventories**

The group agreed that an email would be broadcast when a new inventory had been posted for review. A period of two weeks for review would begin once the notification had been sent.

**d) Feedback from Reviewers – What Will be the Process to Incorporate/Investigate any Comments or Requested Changes?**

It was suggested that there be a structured form of comments; this will be discussed at future meetings. Requests to change emissions should be made through the normal channels, such as the Emission Inventory Branch at ARB. The entire group is to be notified if there are changes to the emissions or if other problems are identified.

**e) Frequency of Meetings**

The group did not specifically determine the frequency of the meetings, but they agreed to meet in three weeks.

**3. Discuss Specifics of Ways to Review Gridded Inventories**

Vernon described the basic steps to creating model-ready gridded inventories. Base year criteria emissions are fed from CEIDARS (California Emission Inventory Development and Reporting System) into CEFS (California Emission Forecasting System). CEFS creates base year and future year inventories by air basin, county and source category (SIC/SCC for point sources or EIC for all other sources) for either a weekday or a weekend day for a specified month. Day-specific data are then merged in. Next, EMS-95 is used to distribute the emissions both spatially and temporally (down to grid cell by hour). Then the emissions are speciated and reformatted to create model-specific gridded inventories.

The group agreed that the following reports would be useful:

- 1) Tabular reports from CEIDARS/CEFS (summary of emissions of criteria pollutants by county/air basin and by 3-digit EIC – base year and forecasted years)
- 2) Tabular and graphical (tile plots) reports of the model-ready gridded inventories
- 3) Intermediate SAS files (gridded hourly criteria inventory with categories in tact)
- 4) Model-ready files
- 5) Speciation profiles
- 6) Spatial Surrogates
- 7) Temporal Profiles

Cyndi said that she already has summary reports that she would be willing to run on the gridded inventories as they become available for review. Gridded inventories for the July/August 2000 episode are available now for review. Vernon emphasized that version control (e.g. version of EMFAC used in the gridded inventory) is very important and needs to be stated clearly for each gridded inventory.

#### **4. Discuss How to Access Gridded Inventories**

Cyndi volunteered Alpine Geophysics to be the repository of information by hosting an ftp site accessed through the Web. ARB may take over this duty in the next few weeks after ARB finalizes its global file directory syntax.

Cyndi and Vernon will discuss the details of exactly what will be posted. ARB will then distribute a one-page proposal to the group for comment. The proposal would detail what reports and version control information would be provided for review. Cyndi will set up a website and post data within a couple of weeks. The group will be notified when data are available and how to access the site. At the next call, the group will discuss the website and reports; changes will be incorporated as agreed.

#### **5. Other Districts Who May Wish to be Involved?**

Phil suggested that Bob Nunes from Monterey Bay Unified APCD might be interested in participating in this group. Vernon will call him.

Jim suggested that representatives from the COGs might also be interested in reviewing the on-road mobile source emissions. Jim has a list of the COG representatives that he has spoken with in preparing the roadway network for the CCOS domain. He will send the list to Vernon who will give them to Ed Yotter for review. Ed will be asked to join this group.

#### **6. Other Issues**

No other issues were discussed.

#### **7. Plans for Next Meeting**

The next conference call is scheduled for Wednesday, March 19 from 10:00 to 11:00 a.m.