

**Conference Call Summary**  
**WRAP Attribution of Haze Workgroup**  
**August 24, 2004**

**Attendees:**

<u>Name</u>	<u>Affiliation</u>
Joe Adlhoch	ARS
Cassie Archuleta	ARS
Tom Moore	WRAP
Mark Fitch	Arizona DEQ
Cara Casten	Wyoming DEQ
Ernie Wessman	Pacificorp
Lee Gribovicz	Wyoming DEQ
Bob Kotchenruther	EPA Region X
Don Arkell	WESTAR
Jason Walker	NW Band Shoshone Nation
Jean-Paul Hays	Nevada DEQ
Bob Gruenig	National Tribal Environmental Council
Steve Arnold	Colorado Dept of Public Health and Environment
Tina Suarez-Murias	California ARB
Dave DuBois	DRI
Jeff Stocum	Oregon DEQ
John Veranth	University of Utah
Mary Uhl	New Mexico DEQ
Dolly Potter	Solvay Minerals

**Presentation:**

ARS presented a short PowerPoint presentation which outlined the project web site design and an initial look at available data sources and display products for point, area, and mobile source emissions currently being used for the interim 2002 modeling efforts.

The project web site will be integrated onto the WRAP server, have the same look and feel as the WRAP web site, but be maintained by ARS. Logistical files (call/meeting notices, prior meeting info., etc.) will remain on the existing AoH "Home Page" and will be maintained by the WRAP webmaster.

Emissions data sources for point, area, and mobile sources were discussed. Point source inventories were based on the 1996 WRAP point source database, with updates and projected growth factors applied to achieve the 2002 interim inventories. Area source inventories were projected to 2002 from the 1999 EPA National Emission Inventory. Mobile (on-road and off-road) source inventories were projected from 1996 to 2003. Known sources of uncertainty in the mobile off-road inventories were noted: the EPA NONROAD2000 model for off-road emissions

overestimates VOC (~13%), NO<sub>x</sub> (~35%), PM<sub>2.5</sub> (~28%) and SO<sub>2</sub> (~72%). California provided emission estimates by county directly, so these model errors do not apply to CA data.

In preparation for the next call and the September meeting in Utah, ARS will work through Tom Moore to request specific emissions inventory data from RMC. This includes all emissions data used for the interim 2002 modeling efforts: source categories already available (point, area, mobile); 2002 fire data; biogenics data; and windblown dust. ARS would like to get inventories for these source categories for all US states, Canadian provinces, Mexican states, and model boundary conditions.

### **Discussion:**

John Veranth asked WRAP participants to think about whether they want to pursue an interactive geographical database (based on WIGIMS work) which could create map products “on demand” similar to the Fort Peck map in shown in the ARS presentation. Steve Arnold suggested that he would like to see similar maps for all Class I areas. Jason Walker asked if other Tribal lands could be added to these types of maps. Lee Gribovicz said this work could not be completed by the AoH Phase I deadline.

Regarding the overestimate of source contributions in the NONROAD2000 model, Lee Gribovicz asked if this was due to the model not including reductions in off-road diesel vehicles. Tom Moore clarified that there were “bugs” in the EPA model which led to these errors. The 2002 version of the model fixed these bugs, and the 2004 version incorporated the off-road diesel rules approved by EPA this summer.

Tina Suarez-Murias wanted to know the magnitude of error in the inventories. Discussion ensued that this is a difficult thing, in many cases, to identify. Tina suggested that it would be useful to compare the interim inventories with what states have actually developed for 2002. ARS agreed to look at this and provide a sample (simple) analysis. ARS was not directed to perform an in-depth analysis for all states.

Jean-Paul Huys expressed interest in reviewing the spreadsheets that ARS is requesting from RMC. Those will be made available by the next call.

Tom proposed that the November AoH meeting be held in Las Vegas, NV, to take advantage of monitoring data training to be conducted by DRI and the WRAP Dust Forum meeting. The DRI training will run from 1pm 11/15 through 12noon 11/16, the AoH meeting will run from 1pm 11/16 through 12 noon 11/17, and the Dust Forum meeting will run from 1pm 11/17 through 5pm 11/18.