

MEMORANDUM

TO: TOC Members, WRAP Co-Chairs & Interested Stakeholders

COPY: Dan Olson, Air Quality Administrator

FROM: Lee Gribovicz, WRAP TOC Co-Chair

SUBJECT: WRAP TOC Monthly Call Notes

DATE: September 11, 2003

On September 11, 2003, I Co-Chaired the monthly TOC telephone conference call. The call Agenda is attached under Appendix I. The Technical Forums' Monthly Status Report is attached under Appendix II.

Participants included:

<u>TOC Members</u>	<u>WRAP</u>	<u>Modeling</u>	<u>Fire</u>
Lee Gribovicz	Tom Moore	Kevin Briggs	Pete Lahm
Lewis McLeod			
Steve Arnold	<u>Tribal</u>	<u>Dust</u>	<u>Monitoring</u>
Bob Saunders	Bob Gruenig	Duane Ono	Marc Pitchford
	<u>Emissions</u>		
	Alice Edwards		

2004 Workplan & Budget Status

Lee noted that at the August 13-14th WRAP Planning Team Meeting in Denver, total WRAP Forum & Committee funding requests were about $\frac{3}{4}$ of a million dollars (17%) over the grant money available for 2004. Balancing cuts were made by rearranging carryover money and deferring some non-essential projects into 2005, with cuts coming primarily from the Fire Emissions Joint Forum, the Air Pollution Prevention Forum, and the Emission Forum. The 2004 Budget spreadsheet was distributed August 22nd (Appendix III), showing approximately \$3.5MM available for Contractor Assistance, \$305K for NTEC, and \$705K for WGA Travel/Project Management. The balanced budget for 2004 thus equals the \$4.525MM **FY '03 Grant** that WRAP has received from the EPA.

Pete Lahm asked about international emissions; specifically whether the new Mexican and Canadian EI's contain the necessary fire data for WRAP §308 modeling, or whether the FEJF must budget funds to provide this fire data. Lee still must check with the agents producing these international emissions, and provide the answer back to the Fire Forum.

Tom noted that he and Lee Alter will distribute the Final 2004 Workplan to the Planning Committee next week, and will ask for final review before submittal to the Board

Inter-RPO Projects: OPEM

The Emission Forum had initially allocated funds to help the RPO's with a project to combine the best features of the SMOKE and EMS emission processing models into a cleaner, more transparent emission processor called the OPEM (Open Emission Model) model. However the EPA provided a grant of \$100K in supplemental funding to this project, and with support of the Midwest RPO, the cost to complete the work is satisfied. Thus, the EF money was not required.

The RFP for this project is out, and bids are due shortly. The WRAP will need to find a "warm body" to represent our interests in the development of OPEM, and report back progress and results. Someone from the RMC would be the most logical choice to work with this emission processing model, but they are bidding on this contract. If the RMC happens to be awarded the project, then the WRAP Modeling Forum will have to work to find a volunteer from its ranks to work on the project.

After the telephone call, Alice Edwards investigated the situation and found that Patrick Barickman from Utah and Vernon Hughes from CARB are on Mark Janssen's committee for reviewing this OPEM project.

Inter-RPO Projects: Ammonia Model

This project is heavily driven by the Midwest RPO's need to improve ammonia emissions values from their high animal population. Other RPO's will benefit from this improved model as well. The situation is similar to that of OPEM, in that the EF planned to support the project, but with supplemental EPA funding (again \$100K), the WRAP money was not needed. Once again the WRAP will need to find a representative for the Steering Committee of this project.

Tom noted that the RMC already has a project funded by the EF to improve ammonia emissions in 2004, and he has talked with Director Gail Tonnesen about coordinating with the RPO effort. Mark Chitjian is working on the RMC ammonia task, and it is assumed that Mr. Chitjian will provide the necessary link for the WRAP.

The RMC is planning a workshop and this appears to be a good opportunity to receive coordinated reports on both projects at this workshop.

Inter-RPO Projects: National Wildfire EI

As above the RPO's have agreed that this National Wildfire Emission Inventory for 2002 is of mutual benefit, and EPA has therefore agreed to \$100K funding for this project. The WRAP FEJF will manage this effort under WGA contract, but a Steering Committee still needs to be established with representatives from the other RPO's in order to move the project forward. Pete Lahm agreed to take the lead in establishing this Steering Committee.

It was noted that VISTAS is anxious to begin modeling and has contracted with the RMC to model fire using their own methodology. This adds some urgency to the effort of standardizing fire inventories across the country

Inter-RPO Projects: Monitoring Activities

There are three Inter-RPO monitoring related projects that have been approved for supplemental funding by the EPA:

- the Comparative Aerosol Trajectory Tool (CATT) (\$50K)
- the Fast Aerosol Sensing Tool & Natural Event Tracking (FASTNET) (\$100K)
- and the Natural Haze Levels Sensitivity Analysis (\$75K)

The first two tools are to be enhancements to the VIEWS website. CATT is a tool intended to take the work out of the ensemble trajectory techniques, and allow more detailed (chemical & meteorological) exploration of all the raw aerosol data from the entire national IMPROVE network. FASTNET will be a fast-response, Internet-based information system to acquire, process, integrate, interpret, and distribute various types of aerosol and haze-related data available in near-real-time.

The third project will assess natural background levels for all national Class I areas, utilizing EPA's September 27, 2001 "Draft Guidance for Estimating Natural Visibility Conditions under the Regional Haze Rule".

GIS Display

This WRAP Integrated Geospatial Information Management Strategy (WIGIMS) will be developed through a \$25K sole source contract to Pangaea Information Technologies (see draft RFP in Appendix IV). The contractor will produce a scoping analysis attempting to identify the kinds of geospatial information used by the WRAP (ie/ TEISS & EDMS emission data, VIEWS ambient monitoring data, RMC modeling data and other information from federal and state web sites), and looking at ways to establish standards to tie all of this web based data together. Thus GIS shape files of emissions, monitoring and modeling data would all be compatible to allow an investigator to get a complete picture of all air quality related information available for any particular selected area (city, county, reservation, state, FLM boundaries & etc.). The company's website (<http://www.pangaeatech.com/>) provides examples of their work

Quality Management Plan

The EPA is requiring RPO's to produce a Quality Management Plan to assure uniform quality data of high standards is used for RH analyses. CENRAP has already completed their Plan, and Tom invited the TOC & Co-Chairs to review this project at: (<http://www.cenrap.org/QMPCENRAP2003.pdf>).

WRAP staff is looking to prepare a Scope of Work for a sole source contract to be issued this year. On the basis of the CENRAP work, they anticipate that the project can be funded for \$25K from the CY '03 WRAP workplan.

Synthetic Organic Aerosol (SOA) Workshop

The 4th *International State of the Science Workshop on Organic Speciation in Atmospheric Aerosols Research* is scheduled for April 5-7, 2004. One of the topics to be covered in this workshop is a report on the state of knowledge surrounding SOA from monitoring and modeling activities. The WRAP has committed to contribute \$10K in support of this workshop, and Tom Moore has been charged with organizing this section SOA. He will assure that the Workshop report is distributed within the WRAP.

Source Attribution of Regional Haze

A DRAFT Mission Statement has been completed (Appendix V) which indicates that the attribution workgroup would have the following traits:

Composed of.....

- Core group of representatives from states and tribal, Tech Forums' Co-Chairs, and TOC & IOC members
- Outer circle of interested WRAP stakeholders

To identify.....

- Geographic source areas of emission contributions at each downwind location (Class I area, tribal area, etc.)
- Mass and species distributions of emissions by source categories within each contributing upwind geographic source area
- Natural and manmade splits on emissions from each upwind source area

To explain cause and effect.....

- Integrated analyses of modeling results, monitoring data and input assumptions/uncertainties of emissions data
- Results explained for policy makers - clear and understandable, what is known, what uncertainties exist, etc.

A preliminary place holder of \$50K was included in the 2004 WRAP budget, and the TOC was to direct technical Co-Chairs to designate representatives some time in the Fall of 2003. Then the Workgroup would begin meeting in the Spring of 2004.

At the Denver Planning Team Meeting last August however, Pat Cummins expressed some concern over potential segregation of two related WRAP \$308 tasks under the Strategic Plan: 1) **Emissions Source Apportionment** under the TOC & 2) **Impact Contribution Assessment** under the IOC. He wanted to see a more unified process between the IOC & TOC.

During this call, it was agreed that Lee would contact the IOC Co-Chairs to further explore the structure for the commencement of this initiative.

Stationary Source Joint Forum

The last time the TOC discussed this matter was on the July call. At that time Pat Cummins and Tom Moore were put together a letter from TOC to the IOC, formally proposing the establishment of this Forum as a joint effort, and giving the reasons why this workgroup requires technical oversight. However, Tom felt the matter was discussed at the August WRAP Planning Team Meeting, and no opposition was voiced.

The WRAP Board will act on the Strategic Plan at their October meeting, and the Stationary Source Joint Forum will not have "official" mandate until the Board specifically adopts the recommendations of that plan. However, it was felt that recruiting participants for this multi-tasking Forum should not be delayed indefinitely. It was noted that at least one current MTF Co-Chair, Colleen Delaney, probably will not return.

It is clear that this Forum will have to complete some tasks left over from the MTF. Tom indicated that he and Lee Alter will prepare a description the Stationary Source Forum mission, but it was also agreed that Lee would contact the IOC Co-Chairs to further define the structure of this Forum.

Tribal Data Development Workgroup

The Tribal Caucus has selected Roxanne Ellingson, Air Director of the Walker River Paiute Tribe as their nominee for Co-Chair of the TDDWG. This date Lewis McLeod moved that the TOC appoint Ms. Ellingson as Interim Co-Chair for this Workgroup, pending confirmation by the full TOC membership. No objection was voiced and this interim appointment was made as of September 11, 2003.

To confirm acceptance by the TOC, Lewis agreed to forward Ms. Ellingson's Statement of Interest and her Resume' via E-Mail to the full TOC and ask for confirmation of her appointment. If no objection is raised by the TOC members, then the appointment will be confirmed on the next TOC call.

TSD Status

The Final Draft TSD was released August 27th, and 5 state's are currently citing that document in their development of §309 SIP's. Until and unless the public review process in these states produces significant adverse comment on the TSD, this version of the document remains the official documentation of WRAP §309 technical activities as currently written.

TOC Presentation for the WRAP Board Meeting

Tom Moore and Lee Alter will release the final WRAP 2004 Workplan for review next week. It was decided that the Lee Gribovicz & Lewis McLeod would work

with Tom to select major issues for reporting to the WRAP Board, and Mr. Moore would prepare a draft presentation for review on the next TOC call.

Next Call/Meeting

The next regularly scheduled TOC telephone call will be held October 9st, 2003 (second Thursday of every month), at 2:30 PM Mountain Time.

A P P E N D I X I

WRAP September 11, 2003 TOC Conference Call Agenda

A P P E N D I X II

WRAP September 9, 2003 Tech Forums Status Report

A P P E N D I X I I I

Final 2004 WRAP Budget

A P P E N D I X IV

Scope of Work for the WIGIMS Project
(July 18, 2003 Draft)

A P P E N D I X V

Source Attribution Workgroup Mission Statement
(September 11, 2003 Draft)