

DUST EMISSIONS JOINT FORUM CONFERENCE CALL MINUTES

Tuesday, December 16, 2003

Attending:

Lee Alter
Ed Barry
Alice Edwards
Carrie MacDougall
Jean-Paul Huys
Duane Ono
Roger Isom
Lee Gribovicz
Wayne Leipold
Mel Joseph
Toni Richards
Kermit Snow
Earl Withycombe
Dale Gillette
Wayne Leipold
Chat Cowherd
Doug Latimer
Patrick Cummings
Ken Hamilton
Barbara Trost
Tom Moore
Jeffery Stocum

Absent:

Robert Farbar
Tom Pace
Mary Woods
Bruce White
Marc Pitchford
Bruce Friedl

The upcoming Technical Summit is scheduled for January 26th and 27th in Phoenix, AZ. It was asked that the Forum co-chairs be present. The Dust Forum participants are welcome to attend the meeting as well.

The TOCs and the Dust Forum co-chairs had a conference call meeting on December 4th and agreed that January 26th and 27th will focus on the overall technical work plan, coordination, and details from each forum's work plan.

Members were informed that the January Technical Summit information would be on the web page soon.

The next Dust Forum meeting will coincide with the Monitoring Forum, with a one-day overlap and individual meetings on either side. It was suggested that the meeting be scheduled for late February or early March and held in Las Vegas. The co-chairs will get with the Monitoring Forum to discuss specific dates/times.

The following information was discussed regarding the Draft Fugitive Dust Emissions Inventory Report (FDEI Report):

The emissions estimates generated by the model; information from Environ's sensitivity runs; and the comparison of the model with measured emissions data from Owens Lake.

The Forum determined that the PM_{2.5} fraction should be revamped.

Other information included in the report is the follow-up assumptions and sensitivity information memo, three appendixes, one cover met data, emissions data by county, and the methodology. The recommendations for additional improvements information are in the Draft Sensitivity November 14th Summary of WRAP Fugitive Dust Emissions and Methodology.

The Forum agreed that the Draft FDEI Report be sent to the entire Forum today so that every one could make comments/recommendations. The Forum agreed to extend the comment deadline until January 30th so that all the comments and responses can be incorporated into the final report. The members were informed that the report could be accessed through a fugitive dust link within the Emissions Forum website.

The draft report will be posted on both the Emissions and Dust Forum webpage. The Forum agreed that the report should be complete and the contents agreed upon by the Forum before information is released to the general public. It was suggested that there be a disclaimer on the report stating that the report is a draft and that this is the first emission inventory performed.

The results of the modeling forum issues will be discussed at the Modeling workshop on the 28th and 29th of January.

The Forum discussed the following proposed project status and the leads for each project:

- Refined wind blown fugitive dust (emissions model) Lead: Carrie MacDougall and Tom Pace
- Develop definition for natural and anthropogenic events (facilitator suggested) Lead: Rob Farber and Lee Alter
- Emission Estimates, Controls, and SIPs, Regulations compendium of contacts for PM₁₀/SIP writers guide – Lead: Duane Ono.
- 20% Worst Days Analysis - Dust contribution by location of Class I visibility (contractor suggested) – Lead: Marc Pitchford
- 2.5 Fraction? Are the current size cuts correct/AP-42 factors? Lead: Roger Isom

The Forum agreed to wait until the FDEI Report is complete before further action is taken on the refined wind blown fugitive dust project. It was suggested that a description for the refined wind blown fugitive dust and the 2.5 Fraction be submitted to be included in the project summary. The co-chairs will contact the members responsible for the definition for natural and anthropogenic, and the 20 % Worst Days Analysis project to ascertain current status.

Duane Ono will be representing the Dust Forum on the Attribution of Haze Work Group. If anyone is interested in attending the meeting they can contact Duane.

It was stated that the analysis of dust contribution on low visibility days, done by Marc Pitchford, would be posted on the Dust Forum website. It was asked that some of the comments on the legend be clarified. Forum members/participants were asked to look at the analysis so that it could be discussed at the next conference call meeting.

The Forum discussed the Evaluation of AP-42 Fugitive Dust Test Methods. The focus was on whether AP-42 factors for PM_{2.5} were high, because the samples that they used to measure PM_{2.5} was actually over sampling. It showed a higher fraction of PM_{2.5} to PM₁₀ and TSP than it should have, which drove up the emissions inventory. It was stated that there is evidence that some of the methods used in developing AP-42 emission factors did over estimate the fraction of PM_{2.5} and PM₁₀ emissions. However, EPA does have thoughts on the over estimations and other methods. It is believed that the data is available to show a lesser fraction and how it could be combined to get a better answer.

A member asked if there is any work being done to address that issue. The member was informed that no work is being done that is supported by EPA and that there needs to be more data compiled. It was suggested that a problem statement be developed. A Forum member agreed to draft the statement.

The Forum discussed the Compiled Fugitive Dust Emissions & Control Methods project lead by Duane One. Duane suggested that a fugitive dust handbook be developed. Members/participant are encouraged to provide feedback for this project. The handbook would be in hard copy and on the website so that individuals can find information on emission estimates, controls and the cost of controls.

It was suggested that an RFP be drafted before the next conference call and to get a contractor on board to get started on the project. A Forum member agreed to draft the RFP.

The Forum discussed the January 13th conference call meeting to be held at 10:00 a.m. Pacific Time, and the Forum agreed that Tuesday mornings at 10:00 a.m. is a good time to hold the conference call meetings.

The tentative agenda would include a reminder of the January conference call, and more information regarding the joint meeting with the Monitoring Forum (dates, times, locations, etc). Everyone was asked to review the FDEI Report by the next meeting. The Forum will also discuss the 20% Worst Days Analysis, 2.5 Fraction and the draft RFP.

The members/participants were informed that Barbara Trost, Bruce Friedl and Ken Hamilton had been added to the membership list. Members were also informed that the USDA NRCS is in the process of choosing an individual to represent them on the Dust Forum.

Members/participants were informed that any future agendas would be sent out one week prior to the meetings.