

Notes for Dust Emissions Joint Forum
Conference Call – January 4, 2005

Participants:

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|---------------|------------------|-----------------|----------------|
| Lee Alter | Don Arkell | Debbie Becker | Bev Chenausky |
| Gail Cooke | Richard Countess | Chat Cowherd | Ken Cronin |
| Mike Edwards | Rob Farber | Bruce Friedl | Lee Gribovicz |
| Hector Guerra | Ken Hamilton | Susan Hardy | Jean-Paul Huys |
| Gerry Mansell | Tom Moore | Duane Ono | Tom Pace |
| Toni Richards | Barbara Trost | Catalina Lehner | Evan Shipp |

★ PM_{2.5} Fine Fraction Analysis ★

Midwest Research Institute has been awarded the contract, but we don't have the final contract signed as yet. Chat Cowherd noted that one of the first things they're doing is setting up their flow systems for the two comparison methods of analyzing the fine dust fraction (low flow wind tunnel system that MRI has used previously with a cyclone and cascade impactor). The previous reference method has been suspected of having a "particle bounce" problem, such that higher PM_{2.5} measurements were realized. This could result in more fine fraction dust being included with the original AP-42 emission factors than actually exists.

They will take soil samples for a planned five analyses (more can be done at a predetermined additional cost) to determine the PM_{2.5}/PM₁₀ ratio for a variety of different soil types around the WRAP region. It was suggested that we need soils from unpaved roads & wind erosion, and some discussion has been held to get Arizona road dust and Owen's Lake bed dust. Susan Hardy lobbied that she wants to have paved road dust included in the analysis. And there was some discussion that we should include agriculture related soils. It was decided to have another specific call to determine how many and what soil types will be included in this project (set for January 12th at 10 AM Mountain Time). Prior to the call, Gerry Mansell will send out some ideas on priority areas for soil samples, based on his wind blown dust work, and Tom Pace will provide his suggestions on sample collection. Duane will send out a notice on the conference call for Fine Fraction project.

There was an "issues" discussion, and Don Arkell emphasized that the WRAP work needs to be focused on Regional Haze analyses. Duane Ono noted that results of this project may show that fugitive dust levels in the inventories are much lower than they have been projected in the past.

★ Dust Handbook Project ★

Richard Countess reported that he has made errata changes to suggestions based on the hard copy handed out in Las Vegas at the November 15th meeting. The handbook is on the website, and Lee G. emphasized that the intent is that this handbook needs to be continuously updated to assure that it remains current.

★ Dust Conference ★

We now have a co-sponsor in the South Coast Air Quality Management District, along with the West Coast Chapter of the AWMA. For logistics we are leaning toward the second week of May at Palm Springs. Let Lee A. know if you are aware of any major schedule conflicts for possible participants. There will be a conference call on January 6 at 2 pm Mountain Time to discuss plans for the conference. Anyone interested in helping on the planning committee is welcome to participate. Lee A. will send out an email to everyone about the conference call.

★ Causes of Dust Analysis ★

Lee Alter advised that there hasn't been much progress on this task since the mid-November Las Vegas meeting as Vic Etyemezian has had some minor family health issues.

★ DEJF Projects: Windblown Dust Model ★

Gerry Mansell noted that the CMAQ sensitivity runs of the Windblown Dust Model have now been completed, and they have looked at the initial performance evaluation. And they're now looking at the individual grid cells. There is a Draft Report now available which will go to the WRAP staff and the Forum Co-Chairs for distribution/review.

Environ is now suggesting that we apply the dust transport fractions, based on land use types, within the model. There is some funding left to look at these issues.

★ 2006 Budget Planning ★

Lee Alter noted that EPA has accelerated their funding decision this fiscal year, and WRAP managers would like to take a work plan to the Board for approval sometime this Spring. Therefore each forum has been requested to develop a work plan and budget for 2006 by February 1st. Lee G. pointed out that this really is the last planning period prior to development of §308 SIP's, thus the Co-Chairs have been directed that they should be focusing on critical path tasks for the WRAP Strategic Plan.

Susan Hardy suggested that the WRAP really needs to expand its focus beyond Regional Haze, and she was supported by one or two other DEJF members. I suggested that such a direction really comes from the WRAP Board, and that she really needed to marshal her arguments and bring them to the Board as a WRAP stakeholder.

★ Dust Natural/Anthropogenic Definition ★

The contractors who are interested in this contract were asked to sign off prior to this discussion. Then Lee Alter explained that since we only received one proposal, and that wasn't very responsive, it was decided to reissue the RFP. The December 27th SOW was enhanced to include more case studies, and make it more clear on our intentions. And the budget was increased from \$45 to \$65K. There is now a Bidders Call set for January 6th, with bids due February 5th. There has been some additional interest and Lee Alter is confident that we'll have a little more interest in this project the next time around.

★ Next Call ★

The DEJF calls are to be held on the fourth Tuesday of each month, with the next call falling on January 25th at 11:00 AM, Mountain Time. Members were asked to come to that call with some thoughts on what type of tasks the DEJF should undertake in the next Planning cycle.