

Conference Call Notes for April 25, 2005
Dust Emissions Joint Forum

Participants:

Susan Hardy	Richard Countess	Wayne Leipold	Lee Alter
Julia Lester	Bruce Friedl	Shawn Kendall	Duane Ono
Gail Cooke	Beverly Chenausky	Mel Joseph	Roel Bining

Fugitive Dust Conference – Lee Alter will send out a revised agenda for the Fugitive Dust Conference in Palm Springs, CA, May 10-11. The agenda will include the list of speakers for the different fugitive dust panels. Lee said that many people from the regulated community have signed up for the conference. Duane reminded everyone that hasn't RSVP'd and plans to attend to give Lee a call, so that we can get a good head count for the lunch.

Dust Forum Meeting – A Dust Forum meeting will follow the Fugitive Dust Conference on May 12. The meeting will be held at the Palm Springs Riviera Resort, which is a different location from the conference, but in the same area. The proposed agenda includes: Fine Fraction of PM in Fugitive Dust (Chat Cowherd, MRI), Wind Blown Dust Emissions Report (Gerry Mansell, Environ), Causes of Dust (Vic Etyemezian, DRI or Marc Pitchford, NOAA), Pilot SIP Project – New Mexico (Gail Cooke), Definition of Dust (Someone from Environ at the meeting, and Julia Lester by speaker phone). A draft agenda was distributed with the email announcement for this conference call. Lee will check with Gerry and Marc (or Vic) to see if they plan to attend and can make a presentation to update us on their projects.

Pilot SIP Project: New Mexico – A new project will be initiated using this year's WRAP grant funds to develop a pilot 309 SIP for New Mexico. Gail Cooke volunteered to be the project leader and Susan Hardy and Duane Ono volunteered to help on the project committee. Other DEJF participants are encouraged to join this committee and help in the project development and review. Gail will draft a scope of work for an RFP that the committee can review prior to the May 12 dust forum meeting.

Fine Fraction of PM in Fugitive Dust – Duane Ono said that the Fine Fraction project is showing very good results with the preliminary data clearly indicating that there is a systematic bias in the MRI samplers, which were used to measure PM-2.5 in the AP-42 emission factor studies. The federal reference method PM-2.5 monitors consistently measured concentrations that were around half of the cyclone/cascade impactor sampler used for AP-42. The implication of these results is that the AP-42 PM-2.5 emission factors for fugitive dust sources could be reduced significantly. Additional testing is still needed to confirm these results and more testing is planned to measure the PM-2.5 to PM-10 ratio for different soils, and to see if there is a relationship between soil texture and the fine to coarse PM ratio. Duane's notes from the fine fraction committee's conference call were distributed with the announcement for this conference call.

Wind Blown Dust Emissions Model – A revised draft report on the wind blown dust model is posted on the dust forum website. Please send your comments to Lee Alter by May 31 on this report. The report shows wind blown dust emission estimates for the WRAP modeling region on a 12 sq km grid for the 2002 model year. The addition of wind blown dust to the emissions inventory effectively doubled the previous inventory for fugitive dust in the CMAQ model, which only included dust emissions from area sources such as paved and unpaved roads, construction and agricultural activities.
<http://www.wrapair.org/forums/dejf/fderosion.html>

Definition of Dust – Julia Lester summarized their efforts to develop a process to implement the definition of natural and anthropogenic dust proposed by the dust forum and to evaluate the feasibility of using this definition. They are researching different sources of spatial data that exist that could help partition the natural from the man-made dust emissions in an environment. She suggested that they might use an ecosystem's health as an indicator of the emissions from natural sources. Julia will not be able to attend the meeting in Palm Springs, but she will be connected by speaker phone. She will see if someone else can attend in person. If a draft report on the first part of the project is ready, it will be sent out to the dust forum.

Email the Dust Forum – If you want to email a message or information to the entire forum, you can send it to the list server at: wrap_dust_and_interested@westgov.org

Next Conference Call – The next dust forum conference call will take place on June 28 at 11 AM MDT.