

**Kay, Rebecca, NMENV**

**From:** Ann Sherrard [sherrard@lanl.gov]  
**Sent:** Thursday, April 19, 2007 8:49 AM  
**To:** Kay, Rebecca, NMENV  
**Subject:** Re: Air Dispersion Model Protocol NOD

Thanks, Rebecca. There is a lot of detail asked for in this document which will take a while to prepare. We cannot do the modeling until this issues are resolved. I think there are also some misunderstandings about trying to do a conservative analysis vs. setting permit terms. For example, the most conservative case for burn time is 1-hr..the longer averaging periods aren't as sensitive to burn times. We get a higher 1 hr impact if we assume that the burn takes place in an hour. If the burn takes an hour and a half to do the same amount of waste, you get lower impacts due to changes in winds over the longer periods of time. So, the idea is to do a conservative analysis as a bounding case and if it shows no problem, then the analysis doesn't need to go into the lesser impacts scenarios. Same thing with temperatures and plume rise. Same type of misunderstanding for the conservative emission factor use. Anyway, this will delay modeling. We'll need to respond to you on these issues, get resolution, do the modeling, then write it up.

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Luciana and Ann-

Attached is NMED's Notice of Deficiency concerning the air dispersion model protocol document submitted to our office March 29, 2007. The original version is on its way via certified mail. I just wanted you both to get a copy of it now so you could get a jump on it.

If you have any questions please feel free to call.

Rebecca

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