

Debbie J Mulrooney
08/28/2001 08:12 AM

To: Fred M Lentz/SE/DuPont@DuPont
cc: Ta-Wei Fu/SE/DuPont@DuPont, Stephen J Gissy/AE/DuPont@DuPont, Oscar T Garza/AE/DuPont@DuPont, Robbin Banerjee/AE/DuPont@DuPont, Paul K Mathur/CL/DuPont@DuPont, David M Rurak/AE/DuPont@DuPont, Raymond C Butterworth/CL/DuPont@DuPont, John R Flynn/AE/DuPont@DuPont, Amy L Brown/AE/DuPont@DuPont, Thomas W Mahlberg/SE/DuPont@DuPont, Robert F Pinchot/DEV/AE/DuPont@DuPont, Chris E Shoop/AE/DuPont@DuPont, Roger J Zipfel/AE/DuPont@DuPont, Alvin H Gibson, Jr/CL/DuPont@DuPont, Kenneth P Kelch/AE/DuPont@DuPont
Subject: Re: ACTION ITEMS FROM APFO DISPERSION MODELLING ☐

Fred,

The modeling that we are doing for the APFO emissions is a different type than that which Stan Urbanik has done for Monomers. Stan's modeling was consequence assessment, which is modeling the impact of an accidental release over a short time period (typically an hour), and comparing this result to an ERPG (Emergency Response Planning Guideline) value. Trace and Phast are the two models typically used for this. The scenario that is modeled is a worst case accidental release, and worst case meteorological scenarios are used.

The modeling that we are doing for APFO is "environmental" dispersion modeling, that is, modeling the impact of continuous emissions over a longer averaging time (one year). We are using the ISC model, which is the EPA model that is almost always used by the EPA and state agencies when doing modeling for air permits. This model uses a year of actual meteorological data to predict an annual average exposure concentration, which can then be compared to the CEG (Community Exposure Guideline) value. ERPG's are values that have been developed for short-term accidental releases, whereas the CEG's are based on a continuous lifetime exposure to normal emissions.

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Ta-Wei

If you have not already done so, please take a moment to review these results with Ken Kelch. I would like to ensure that we are using the same assumptions when running dispersions for the whole WW "Teflon" area. On the modeling side Stan Urbanik has been the resource for Monomer's work - need to make sure that the individual running the APFO Dispersions is on the same wavelength in terms of model version and settings. Within the last few months there has been upgrades to the model which

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have improved the dispersion of some of the monomer related items.

Thanks,

FRed

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