

TO: Mike Hayes

TO: ~~ALL~~ ~~MEM~~ RF
RE: none

FROM: T. G. Grumbles
DATE: September 28, 1988

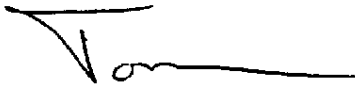
Interoffice
Communication

SUBJ: PCIH SPEECH

VISTA

I want to thank you for the extra effort you put into preparing and giving the speech on public communication in Memphis. I received multiple compliments from those attending the conference and as I told you, don't be surprised if you get more invitations for future speaking engagements.

Once again, thanks for the effort and cooperation. The bad news is I need a final manuscript from you by October 15 to go in the conference proceedings.



T. G. Grumbles

dlj

cc: John Friend
J. A. DeBernardi

VVV 000008269

YSL: JSL: LMS: RF

XF: _____

TO: File

FROM: T. G. Grumbles

DATE: September 28, 1988

SUBJ: STEPAN ETHER SULFATE/DIOXANE MEETING

Interoffice
Communication

VISTA

The meeting was held at Stepan on September 23. Meeting minutes will be published at a later date by Jordan Layer, however, below are significant specific points regarding the regulatory and product liability issues raised.

1. Stepan has had an internal "no ship" specification of 999 ppm for 1-4 dioxane to assure OSHA hazard communication labeling standards were met.
2. Stepan has done personnel exposure surveys for dioxane in the ether sulfate production and handling areas. Stepan indicated very low exposures were found and will be sending us the past monitoring results.
3. Stepan has begun measuring 1-4 dioxane content of every batch and the monthly summaries we receive in the future will be more meaningful.
4. Multiple studies and actions have been taken to reduce dioxane formation during the ether sulfate production. More actions will be taken in the future.
5. The higher dioxane content at Fieldsboro was partially attributed to a hardware (piping size) problem which has been corrected.

T. G. Grumbles

T. G. Grumbles

dlj

cc: W. L. McClain

VVV 000008270