

22/A-17



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D. C. 20555

JUN 6 1980

NOTE TO: Karl Kniel, Chief  
Generic Issues Branch, DST

THRU: P. Norian, Section Leader  
Generic Issues Branch, DST

FROM: John Angelo  
Generic Issues Branch, DST

SUBJECT: SYSTEMS INTERACTION REVIEW BY SANDIA NATIONAL LABORATORIES

Enclosed is a draft Program and Budget Proposal (Schedule 189) by Sandia National Laboratories that was submitted in response to our request at a meeting on May 14, 1980. We requested at that meeting that Sandia National Laboratories give consideration to some way of demonstrating the effectiveness of the fault tree method of systems analysis as a way to reveal interactions that are of concern to the ACRS, and that we should perform this demonstration before we invest more resources on extending the method into other areas of concern such as operator errors, accident conditions, extreme environments, etc.

We also discussed at the May 14 meeting that it would not be a satisfactory condition to simply list the kinds of interactions that are not included in the initial (Phase I) study. Rather, we seemed to agree that it would be preferable to show where certain kinds of interactions are already covered by NRC programs other than the generic task A-17 on systems interaction.

In the enclosed draft proposal, Sandia National Laboratories appears to be responsive to the discussion at the May 14 meeting. However, I believe that we need to discuss this draft proposal before we can authorize the work. Sandia National Laboratories proposes a starting date of July 1, 1980 on this work. I recommend that we meet to discuss the draft proposal on June 11, 1980 with the objective of informing Sandia National Laboratories by June 13, 1980 on any changes that we decide are necessary.

A handwritten signature in cursive script that reads "John Angelo".

John Angelo  
Generic Issues Branch  
Division of Safety Technology

Enclosure: Draft Schedule 189 dated 5/27/80

cc: See next page