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MAY 19 1982

MEMORANDUM FOR: Darrell G. Eisenhut, Director
Division of Licensing

Roger J. Mattson, Director
Division of Systems Integration

Hugh L. Thompson, Jr., Acting Director
Division of Human Factors Safety

Richard H. Vollmer, Director
Division of Engineering

FROM: Stephen H. Hanauer, Director
Division of Safety Technology

SUBJECT: APPROVAL OF TASK ACTION PLAN (TAP) A-47
SAFETY IMPLICATIONS OF CONTROL SYSTEMS

The enclosed Task Action Plan of the Unresolved Safety Issues (USI) A-47, "Safety Implications of Control Systems" is being sent to you for concurrence prior to final approval.

This TAP has been developed by the Division of Safety Technology, NRR with input from various groups shown below. Earlier copies of this draft have been circulated within the NRC staff requesting comments. The comments have been incorporated and we believe that we have received agreement in resolving the comments. Comments (or a message that there were no comments) were received from:

- F. Rosa/E. Rossi, NRR/DSI
- M. Srinivasan/J. Knight, NRR/DSI
- W. Jensen/F. Orr, NRR/DSI
- J.T. Beard, SPEB/DL
- E. Menzinger/D. Basdekas, ICB/RES/DFD
- B. Clayton, PTRB/DHFS
- S. Newberry/F. Coffman, RRAB/DST
- M. Chiramal, PSU/AEOD

The Task will perform an indepth evaluation of the non-safety grade control systems to verify the adequacy of current licensing design requirements and will propose (if necessary) additional guidelines and criteria to assure that nuclear plants do not pose an unacceptable risk due to control system failures.

Task A-47 will evaluate the non-safety grade control systems of three PWR designs and one BWR design. Two PWR designs (B&W and W) will be evaluated by ORNL under contract with the Office of Nuclear Regulatory Research. The BWR design will be evaluated by EG&G Idaho Falls under contract with NRR. The laboratory to evaluate the CE design will be determined later.

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MAY 19 1982

The projected completion date for developing a draft NUREG for public comment is January 1984.

Please respond with your concurrence, concurrence with comment, or non-concurrence with reasons, on this form by May 27, 1982.

Stephen H. Hanauer, Director
Division of Safety Technology

Attachment:
TAP A-47

I concur

I concur with the following
or attachment comment(s)

I do not concur for the following
or attached reason(s)

[Handwritten signature]

OFFICE	DST:GIB	DST:GIB	DST:GIB <i>KK</i>	DST:ARGP <i>[Signature]</i>	DST: [Signature]		
SURNAME	ASz [Signature]ewicz	cb P [Signature]orian	KKniel	FSchroeder	SHanauer		
DATE	5/17/82	5/17/82	5/17/82	5/17/82	5/17/82		