

IN RESPONSE, PLEASE  
REFER TO: M911216

January 24, 1992

MEMORANDUM FOR: James M. Taylor  
Executive Director for Operations

FROM: Samuel J. Chilk, Secretary /S/

SUBJECT: STAFF REQUIREMENTS - BRIEFING ON REGULATORY  
APPLICATION OF PRA, 10:00 A.M., MONDAY,  
DECEMBER 16, 1991, COMMISSIONERS' CONFERENCE  
ROOM, ONE WHITE FLINT NORTH, ROCKVILLE,  
MARYLAND (OPEN TO PUBLIC ATTENDANCE)

The Commission<sup>1</sup> was briefed by the NRC staff on the regulatory application of PRA.

The Commission requested that external experts be used to assist in the evaluation of the staff's use and understanding of PRA. The staff should provide a status report on the progress and the results of the evaluation to the Commission in about six months and a final report that includes any recommendations or other proposed changes for dealing with risk assessment in about one year.

(EDO (progress report)) (SECY Suspense: 7/15/92)  
(EDO (final report)) (SECY Suspense: 12/12/92)

The Commission requested that the staff:

1. Describe research aimed at quantification of the human role in risk assessment and whether it was appropriate to assume human factors issues and responses would be identical at different plants.
2. Incorporate existing procedures where appropriate to systematically determine the sources of uncertainty in risk calculations and the dominant factors which contribute to risk magnitudes.
3. Seek outside help in using PRA methods and results in developing generic approaches and generic instructions from plant specific systems analyses (generic models, inspection guidelines, etc.).

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<sup>1</sup> This briefing occurred prior to the start of Commissioner de Planque's term.

4. Select representative examples of risk evaluations and jointly review with the ACRS details of the risk calculations as a part of an upcoming ACRS session.

(EDO)

(SECY Suspense: 7/10/92)

The staff should consider obtaining utility comments on the risk-based inspection guidance prepared for specific plants or groups of plants.

cc: The Chairman  
Commissioner Rogers  
Commissioner Curtiss  
Commissioner Remick  
Commissioner de Planque  
OGC  
OCAA  
OIG  
ACRS  
PDR - Advance  
DCS - P1-24