



UNITED STATES  
NUCLEAR REGULATORY COMMISSION

WASHINGTON, D.C. 20555-0001

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April 2, 2007

SECRETARY

MEMORANDUM TO: Luis A. Reyes  
Executive Director for Operations

Eliot B. Brenner, Director  
Office of Public Affairs

FROM: Kenneth R. Hart, Acting Secretary *KRHart*

SUBJECT: STAFF REQUIREMENTS - COMSECY-06-0064 - STATE OF  
THE ART REACTOR CONSEQUENCE ANALYSIS  
COMMUNICATIONS PLAN

The Commission has disapproved the State-of-the-Art Reactor Consequence Analysis communications plan as contained in the staff memorandum, dated December 8, 2006.

The staff should revise the communication plan to properly describe the scope and nature of the assessments that will be performed and the results that will be provided. The staff should present the results of these assessments using substantially improved risk communication techniques in a manner previously directed by the Commission in the Staff Requirements Memorandum for SECY-05-0233. The staff should be careful not to describe how these calculated results will be used as part of the regulatory decision making process until the full extent of the program is determined. The Office of Public Affairs should participate in the development of the revised communications plan.

In addition, the staff should revise the project plan to minimize the cost of performing the estimates before the agency continues to fund this program to the substantial resource commitments described in SECY-05-0233. As such, the staff should reduce the initial scope of this effort to not more than eight plants representing a spectrum of plant vendors and technologies. The staff should conduct the first assessments on a subset of the eight plants, for example a selected BWR and PWR plant, in order to resolve issues associated with the integration of methods and resolve details associated with simulation of plant systems and procedures. The staff should inform the Commission of the results of these first two assessments by conducting a TA briefing. In addition, the staff should keep the Commission informed of the status of this project by conducting periodic TA briefings. At the conclusion of these eight assessments, the staff should provide the results of these studies to the Commission along with a recommendation, based on the insights gained from the initial eight studies, as to whether continuing this project as originally described in SECY-05-0233 is necessary to achieve its objectives.

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The staff should also look to minimize the need to get information from licensees by using plants for which it already has analytical input decks available.

The staff should adhere to its plan expressed in SECY-05-0233 to use generic insights from studies such as licensee Individual Plant Examinations (IPEs), Individual Plant Examination of External Events (IPEEEs), NRC Simplified Plant Analysis Risk (SPAR) models, and Risk Analysis and Management for Critical Asset Protection (RAMCAP) studies, particularly with respect to the inclusion of external initiating events. These information sources coupled with use of a representative spectrum of weather and population densities should be used to develop the intended risk/consequence results for the selected plants.

The staff should provide the Commission with the revised project plan, resource estimates, communication plan, and schedule within 60 days of the date of this SRM.

(EDO)

(SECY Suspense:

6/1/07)

cc: Chairman Klein  
Commissioner McGaffigan  
Commissioner Merrifield  
Commissioner Jaczko  
Commissioner Lyons  
OGC  
CFO  
OCA