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

November 16, 1990

IN RESPONSE, PLEASE  
REFER TO: M901015B

OFFICE OF THE  
SECRETARY

MEMORANDUM FOR: James M. Taylor  
Executive Director for Operations

William C. Parler  
General Counsel

FROM: *AB* John C. Hoyle, Acting Secretary

SUBJECT: STAFF REQUIREMENTS - BRIEFING ON DECOUPLING  
SITING REQUIREMENTS FROM FUTURE DESIGNS AND  
UPDATE OF SOURCE TERM MATTERS (SECY-90-341),  
2:00 P.M., MONDAY, OCTOBER 15, 1990,  
COMMISSIONERS' CONFERENCE ROOM, ONE WHITE  
FLINT NORTH, ROCKVILLE, MARYLAND (OPEN TO  
PUBLIC ATTENDANCE)

The Commission was briefed by the NRC staff on source term update and decoupling siting from design.

A number of questions were raised by the Commission concerning the methodology to accomplish the goal of updating the source term and decoupling it from siting requirements. The staff should provide the Commission a response to the following questions.

1. How long would it take to incorporate Regulatory Guide 4.7 into the regulations? Why should the portions of Part 100 which influence design remain in place until the final step, as proposed in the staff's plan?
2. The staff's proposal states that the second revision to Part 100 and the revision to Part 50 would be accomplished prior to the completion of review of passive designs. How will this schedule allow designers to provide for the new requirements of these two rulemakings in their designs?

(EDO) (SECY Suspense: 12/7/90)

The Commission believes that this proposed program is an important step in establishing a stable regulatory process for plant design and siting and emphasizes the need to coordinate NEPA considerations with plant design considerations in such a

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manner that the scope of the analysis of severe accident mitigation design alternatives (SAMDA) is clearly defined and factored into the regulatory process. This activity should be closely coordinated with OGC and the process (not necessarily the final rule) should be in place in time for evolutionary plant design FDAs. The Commission requested that it be informed of the staff's and OGC's options for integrating the SAMDA decision into the regulatory process.

(EDO/OGC)

(SECY Suspense: 2/28/91)

The staff should brief the Commission periodically as it develops the definition of releases into containment, specifically to advise the Commission of the potential accident scenarios used as a technical basis for this definition. Further, the staff should periodically brief the Commission as it develops a policy on the use of the updated TID-14844 by existing plants.

(EDO)

(SECY Suspense: 3/29/91)

Because decoupling siting requirements from future plant design requirements and updating source term methodologies would require significant revisions to 10 CFR Part 50, Commissioner Remick requested the staff to be mindful that changes to Part 50 should be viewed from the perspective of whether such changes would affect non-reactor and non-power reactor requirements "hidden" in Part 50. Further, he requested that staff assess the viability of simultaneously separating non-reactor and non-power reactor licensing activities from Part 50, including the resources required to accomplish the separation. If this effort would significantly impact the schedule for updating Parts 50 and 100, then he requests staff to advise the Commission of the viability of a parallel effort such that a thorough analysis of Part 50 need only be conducted once. He believes that the process applied by the CNWRA to the requirements within Part 60 could be a useful model for this activity.

(EDO)

(SECY Suspense: 2/28/91)

Additional staff requirements may result from the Commission's consideration of SECY-90-341 and will be included in the SRM from that paper.

cc: Chairman Carr  
 Commissioner Rogers  
 Commissioner Curtiss  
 Commissioner Remick  
 OGC  
 GPA  
 PDR - Advance  
 DCS - P1-24