



OFFICE OF THE
SECRETARY

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

IN RESPONSE, PLEASE
REFER TO: M930930A

October 8, 1993

MEMORANDUM TO: James M. Taylor
Executive Director for operations

FROM: Samuel J. Chilk, Secretary

SUBJECT: STAFF REQUIREMENTS - BRIEFING ON REQUIREMENTS
FOR STORAGE AND TRANSPORTATION CASKS
(SECY-93-265), 2:00 P.M., THURSDAY, SEPTEMBER
30, 1993, COMMISSIONERS' CONFERENCE ROOM, ONE
WHITE FLINT NORTH, ROCKVILLE, MARYLAND (OPEN
TO PUBLIC ATTENDANCE)

The Commission was briefed by the NRC staff on the requirements for storage and transportation casks.

The Commission requested further information on the relationship of cask and canister design to repository design and siting. Which repository design and siting conditions are critical to cask and canister design and therefore required before approval of multi-purpose cask and canister designs?

(EDO)

(SECY Suspense: 11/19/93)

With regard to the issue of burnup credit, the Commission requested further information on the following points:

- o Is any credit provided for fuel burnup in spent fuel pools?
- o What consideration is provided in the racking of fresh or minimally exposed fuel relative to fuel with significant burnup?
- o What is the relative importance of samarium in spent fuel and how would that compare to gadolinium if that were present?

(EDO)

(SECY Suspense: 11/19/93)

The staff should evaluate the possibility of rulemaking to address the use of nodular cast iron in transportation casks through a public process. If brittle materials would be considered unacceptable, then the regulations should be changed to reflect actual practice. The Commission should be informed of the staff's intended approach to deal with this issue.

(EDO)

(SECY Suspense: 11/19/93)

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cc: The Chairman
Commissioner Rogers
Commissioner Remick
Commissioner de Planque
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DCS - P1-24