

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

June 18, 1990

MEMORANDUM FOR: James M. Taylor  
Executive Director for Operations

FROM: Samuel J. Chilk, Secretary

SUBJECT: STAFF REQUIREMENTS - BRIEFING ON  
EVOLUTIONARY LIGHT WATER REACTOR CERTIFI-  
CATION ISSUES AND RELATED REGULATORY  
REQUIREMENTS (SECY-90-016, SECY-90-065, AND  
SECY-90-146), 9:00 A.M., FRIDAY, APRIL 27,  
1990, COMMISSIONERS' CONFERENCE ROOM, ONE  
WHITE FLINT NORTH, ROCKVILLE, MARYLAND  
(OPEN TO PUBLIC ATTENDANCE)

The Commission was briefed by the NRC staff on Evolutionary Light Water Reactor (LWR) Certification Issues and Related Regulatory Requirements.

The commission discussed with the staff the issues of "essentially complete design," including "inspections, tests, analyses, and acceptance criteria."

The Commission requested staff to:

1. Prepare a Commission paper which sets forth how the staff intends to implement the provision of Part 52 which requires an essentially complete design. The staff should highlight to the Commission any difficulties that the staff foresees in this regard, along with how the staff would propose to address such matters.  
(EDO) (SECY Suspense: 7/9/90)
2. Consistent with established priorities, conduct a limited review of the test data available from the General Electric Simplified Boiling Water Reactor and use the

results of this review in formulating conclusions on the EPRI document.

(EDO) (SECY Suspense: As appropriate)

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3. Consistent with Commission priorities, ensure that adequate personnel and skills are available to maintain expertise for licensing design reviews.

(EDO) (SECY Suspense: As appropriate)

4. Elevate to the Commission as soon as possible all policy and implementation issues identified while executing Part 52 which requires a decision on clarification.

(EDO) (SECY Suspense: As appropriate)

5. Provide staff comments on the continued need for formal review and comment on a License Review Basis Document for each passive design, given that the Commission will issue an SER on the EPRI Requirements Document for passive design first (similar to paragraph 2c in SRM M900403A, dated May 1, 1990).

(EDO) (SECY Suspense: After issuance of SER on EPRI Passive Requirements Document)

6. Brief the Commission on the progress of design certification review and implementation of the above guidance every six months.

(EDO) (SECY Suspense: 12/1/90)

The commission will provide guidance concerning implementation of the Part 52 requirement for an essentially complete design .after the Commission has had an opportunity to consider the staff's proposal.

The Commission desires to schedule another meeting at the earliest convenient time to discuss the certification issues described in SECY-90-016. A meeting was scheduled and held at 10:00 a.m., Thursday, May 3, 1990, for this purpose.

Commissioner Remick emphasized the benefits and importance for early staff interactions with the reactor vendors. He encouraged staff to provide the vendors with early commission views concerning the desired characteristics of advanced reactor designs and to issue timely comment on the implications of such designs for safety and the regulatory process.

cc: Chairman Carr  
Commissioner Roberts  
Commissioner Rogers  
Commissioner Curtiss  
Commissioner Remick  
OGC  
GPA  
ACRS  
PDR - Advance  
DCS - PI-24