



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

December 15, 1989

OFFICE OF THE
SECRETARY

MEMORANDUM FOR: James M. Taylor
Executive Director for Operations

Carlyle Michelson, Acting Chairman, ACRS

FROM: ^{C. B. Lee} Samuel J. Chilk, Secretary

SUBJECT: STAFF REQUIREMENTS - SECY-89-334
RECOMMENDED PRIORITIES FOR REVIEW
OF STANDARD PLANT DESIGNS

This is to advise you that the Commission, with all Commissioners agreeing, has approved your proposed priority of reviews of evolutionary, passive and advanced reactor design submittals subject to the following:

1. Should a domestic interest in one of the plant design submittals be demonstrated, staff should reconsider the priorities and advance the selected design to the highest priority. In that eventuality, staff should propose a revised, updated priority ranking for Commission review and approval.
(EDO) (SECY Suspense: As appropriate)
2. Staff should use December 1991 as the target date for completing the CE System 80+ FDA, unless unforeseen difficulties arise in issuing the LRB document. The Commission should be advised of any significant change in the target date.
(EDO) (SECY Suspense: 12/91)
3. Until there is a demonstrated domestic interest expressed for either the GE ABWR or CE System 80+ power stations, staff should assign equal priority in the review of the ABWR, System 80+ and the EPRI Requirements Document for Evolutionary Plant Designs, with a particular focus on resolving those evolutionary plant issues which will carry over into the passive plant requirements document. In order to provide added NRC status to the EPRI requirements document, when reviewing specific designs, the staff

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should consider the EPRI requirements document and dedicate a section in each SER which highlights those areas where the resolution of evolutionary plant issues is different than the resolution achieved through the review of the EPRI requirement.

Staff should submit to the Commission a projection of the resources necessary to adhere to the proposed schedules, assuming timely submission of the necessary information by the vendors and EPRI.

(EDO)

(SECY Suspense: 1/26/89)

4. Staff should ensure that the SER on Part III of the EPRI Requirements Document is completed prior to submitting to the ACRS the proposed licensing review bases for passive plants. In the event that insufficient resources are available to review both Part III of the EPRI Requirements Document and the proposed passive designs, resources should be allocated first to the EPRI Requirements Document.

The SERs on the EPRI Requirements Document for both the evolutionary and the passive plant designs should be submitted to the ACRS for review and comment and to the Commission for information and for review and approval of policy issues for which the Commission has not previously decided.

(EDO/ACRS)

(SECY Suspense: As Appropriate)

5. Staff should confirm with the Department of Energy that the proposed schedules for the W AP-600 and GE SBWR designs are consistent with the program that DOE has in mind for these designs. Staff should advise the Commission if the schedule proposed by the staff is incompatible with DOE's schedule.
(EDO) (SECY Suspense: 01/31/90)
6. The staff's proposed review schedule of the W SP/90 design (issue a preliminary design approval by June 1990) is acceptable.
(EDO) (SECY Suspense: 6/90)
7. With respect to the CANDU and PIUS designs, consistent with the LMR and HTGR reviews, staff should evaluate the need for a prototype demonstration facility (either in this or another country).
8. In regard to Staff Requirements Memorandum dated July 31, 1989 (M890620), staff should submit responses to items c.1. and c.2. by December 29, 1989.
(EDO) (SECY Suspense: 12/29/89)

At the earliest opportunity, but no later than the time of the submittal to the Commission of the FDA for the GE ABWR, staff should submit its response to item c.3. in the Staff Requirements Memorandum dated July 31, 1989.

(EDO)

(SECY Suspense: When Ready)

9. Staff should advise the Commission at the earliest opportunity if any of the review efforts are expected to fall behind schedule.

(EDO)

(SECY Suspense: As Appropriate)

cc: Chairman Carr
Commissioner Roberts
Commissioner Rogers
Commissioner Curtiss
Commissioner Remick
OGC
GPA
Boards