



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

R. Capron

November 29, 1983

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Project No. 668

MEMORANDUM FOR: Cecil Thomas, Chief
Standardization & Special Projects Branch, DL

FROM: Roger J. Mattson, Director
Division of Systems Integration

SUBJECT: RESAR SP/90-ACCEPTANCE REVIEW

- Reference: (1) Memorandum for NRR Division Directors from D. Eisenhut,
Dated 11/07/83, Subject: RESAR SP/90 Acceptance Review
- (2) Letter for H. Denton from E. Rahe (W), dated 10/24/83,
Subject: Application for PDA and Submittal of Module 1
for RESAR SP/90.

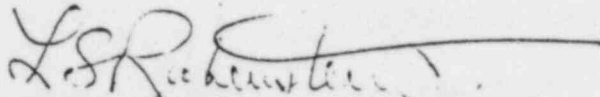
In accordance with Reference 1, DSI has completed its acceptance review of the Westinghouse Preliminary Design Approval (PDA) application for RESAR SP/90 (WAPWR) which was tendered by Reference 2. We find the application acceptable for docketing with the cautions identified below and in the attached enclosure.

Resources for standard plant reviews are contained in the FY84 NRR Operating Plan. DSI resources are identified as 4.5 PSY and \$450K. Included in this amount are resources to support the severe accident reviews associated with these standard plants as well as routine technical reviews under the SRP for standard plants. The majority of these resources have been or are being expended in support of the GESSAR II severe accident review. Therefore, at the present time, insufficient resources are available to complete the review on the schedule outlined in References 1 and 2. DSI is in the process of developing its FY84 program plan. The program plan should be developed by mid-December. At that time, DSI will be in a better position to determine the effect of allotted resources on the RESAR SP/90 review schedule.

The acceptance review consisted of verifying the completeness and acceptability of the schedule for module submittals and ensuring that the modules are sequenced satisfactorily, such that supporting information required to complete the module review would be available in the subject module or in a previously submitted module. A completeness review of Module 1 was also conducted. Two branches (RSB and ASB) may experience slippages in the three month turn-around time due to their review responsibilities in modules that are being submitted back-to-back. In addition, due to the unique nature of the core design and the lack of specific information submitted in the pretendering modules, CPB does not anticipate being able to complete its review of module 5 in three months. With respect to the completeness of Module 1, AEB has identified the need for information contained in Module 10 in order to complete its review of Module 1. Therefore, either the review of Module 1 by AEB will be delayed until the

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submission of Module 10 or the information contained in Section 6.5.3 of Module 10 be submitted now by Westinghouse in order to support the AEB review of Module 1. The attached enclosure provides detailed comments from each of the DSI Branches as well as the identification of DSI technical reviewers assigned to RESAR SP/90.



for Roger J. Mattson, Director
Division of Systems Integration

Enclosure:
As stated

cc: D. Eisenhut
F. Miraglia
DSI ADs
DSI BCs
G. Meyer
S. Boyd
D. Meyer
R. Capra

Branch/Reviewer	Comments
<u>RSB</u> Warren Lyon	RSB will attempt to meet the projected schedule of producing an SER on each module within three months of submission. However, some slips should be expected. These slips would occur principally where RSB either has the lead or plays a key role in the review of several modules that are being submitted for reivew back-to-back. For example RSB plays a key role in the review of modules 1, 2, 4 and 5. These modules are scheduled for submission on 10/31/83, 11/30/83, 02/29/84 and 03/31/84, respectively. No change in submission schedule is recommended due to the logical sequence of submission proposed by W; however, be advised that slippages may occur. Docketing of the application at this time is acceptable.
<u>ICSB</u> Joe Joyce	ICSB review will be limited principally to modules 1 and 9. The schedule for review and the quality of material submitted to date are acceptable for docketing the application.
<u>CSB</u> Charles Tinkler	CSB review will be limited princially to module 10. The schedule for review and the quality of material submitted to date are acceptable for docketing the application.
<u>ASB</u> Nick Fioravante	ASB has the same schedule problem as identified under RSB above. There are six modules requiring ASB review (modules 4, 5, 6, 7, 8 and 13) and an additional four modules may require ASB review support for other branches (modules 1, 2, 3, 9). Because of the review effort associated with some of the back-to-back module submissions, slippages in the three month turn-around time for the SERs may occur. Except for the possible schedule delays identified above, the application is acceptable for docketing.
<u>PSB</u> John Gill	PSB review will be limited principally to module 8. The schedule for review is acceptable. A meeting has been arranged with W for 12/83 to further discuss their application. PSB intends to review in more detail the scope and contents of module with W during this meeting. The application is acceptable for docketing.
<u>CPB</u> John Voglewede Howard Richings George Schwenk	CPB review is limited essentially to module 5. CPB cannot commit to a three month turn-around time for the SER. The reactor core represents a significant change from previous designs. The pretendering modules describing the core have only presented some general aspects of the core design with no section on fuels and controls or core physics, limited information on thermal-hydraulics, and no information on transients and accidents.
<u>AEB</u> Jacques Read	AEB review responsibilities addressed in module 1 include the contain-ment spray system (6.5.2) and the accident dose calculations for instru-ment line breaks (15.6.2) and LOCA (15.6.4). Enclosure 4 to the W letter dated 10/24/83, identifies these sections of module 1 as containing category 1 information. However, it is not possible for AEB to review any of these three sections without the information contained in section 6.5.3 (fission product control systems). Section 6.5.3 is not scheduled for submission until module 10. Therefore, either the review of these sections will be delayed until the submission of module 10 (07/84)

Branch/Reviewer	Comments
<u>AEB</u> (continued)	or the information contained in 6.5.3 should be submitted now by <u>W</u> in order to support the AEB SER for module 1.
<u>RAB</u> Frank Skopec	RAB review will be limited principally to module 11; however, three questions regarding post-TMI requirements contained in the Licensing Control Document (module 2) were provided to DL as part of our review of the pretending modules on 05/05/83. It is expected that these questions will be answered in the module 2, scheduled for submission this month. The schedule for review and the sequencing of modules are acceptable for docketing the application.
<u>METB</u> Jay Lee Earl Markee	METB review will cover parts of modules 3, 8, 10, 12 and 13. The schedule for submittal/review and the table of contents appears to be complete and therefore are acceptable for docketing of the application.