

DEC 19 1983

MEMORANDUM FOR: Elinor Adensam, Chief
Licensing Branch #4, DL
FROM: C. H. Berlinger, Chief
Core Performance Branch, DSI
SUBJECT: QUESTIONS FOR VOGTLE UNITS 1 AND 2

Plant Name: Vogtle Units 1 and 2
Docket Numbers: 50-424 and 50-425
Responsible Branch: Licensing Branch No. 4
Licensing Stage: OL
Project Manager: M. Miller
Review Branch Involved: Core Performance Branch
Description of Review: Questions

Enclosed are questions for the Vogtle Units 1 and 2 FSAR review from the Core Performance Branch.

Original signed by:

C. H. Berlinger, Chief
Core Performance Branch, DSI

Enclosure:
As stated

cc: L. Rubenstein
T. Novak
M. Miller

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NAME	HRichings:ew	RLobel	CBerlinger				50
DATE	12/16/83	12/19/83	12/19/83				

QUESTIONS FOR VOGTLE UNITS 1 AND 2

- 491.1
(4.3.2.2.6)
(SRP 4.3.II.1)
- The discussion given in Section 4.3.2.2.6 relating to the total peaking factor is the standard material given in previous Westinghouse submittals. However, the value of the total peaking factor given is 2.30 rather than the usual 2.32. Please explain this change from standard practice. If credit is being taken for a change in some aspect of the methodology not previously explicitly presented, reviewed and approved, please present a detailed justification and indicate relevance and bounds over first and subsequent cycle operation.
- 491.2
(15.4.1.2)
(SRP 15.4.1.III)
- For the control rod withdrawal at zero power event please provide quantitative values used in this analysis for the moderator reactivity coefficient, for the radial and axial power peaking factor and for the axial power shape. Also indicate if these peaking factors are used in figures 15.4.1-2 and 15.4.1-3. Does the axial peaking and shape bound those extreme top peaked zero power shapes which may exist at end of cycle or in reloads as a result of burnup?