



Tennessee Valley Authority, Post Office Box 2000, Spring City, Tennessee 37381

OCT 12 1995

U.S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, D.C. 20555

Gentlemen:

In the Matter of the Application of) Docket Nos. 50-390
Tennessee Valley Authority)

WATTS BAR NUCLEAR PLANT (WBN) - REVISED CORE OPERATING LIMITS
REPORT (COLR) FOR UNIT 1, CYCLE 1

Enclosure 1 of this letter provides the approved revised COLR (Revision 1) for WBN Unit 1, Cycle 1 in accordance with the requirements of WBN Technical Specification (TS) 5.9.5. The revised COLR conforms to new numbering of the Technical Specifications and corrects a typographical error. In addition, the revised COLR removes an unnecessary restriction on the interpolation method for the factor $W(Z)$ used in the determination of Heat Flux Hot Channel Factor, $F_Q(Z)$ (Reference TS Limiting Condition for Operation LCO 3.2.1).

This method for $W(Z)$ reflects TVA's adoption of an industry standard version of the INCORE computer code (INCORE 3D, Version 7.4.2) for determination of the specific burnup values of $W(Z)$. This version of INCORE determines $W(Z)$ by linear extrapolation of the $W(Z)$ statepoints at beginning of life (BOL) and end of life (EOL), rather than three point interpolation specified in Revision 0 of the COLR. The updated INCORE code continues to use three point interpolation of statepoint values between BOL and EOL. Both versions of INCORE are consistent with the analytical methods described in Westinghouse recommendations WCAP-10216-P-A, "Relaxation of Constant Axial Offset Control $F(Q)$ Surveillance Technical Specification, June 1983," (TS Reference 5.9.5(b)(3)). Elimination of the three point interpolation requirement removes a level of detail from the COLR that is unnecessary. There are no Technical Specification or Final Safety Analysis Report (FSAR) changes required as a result of this submittal.

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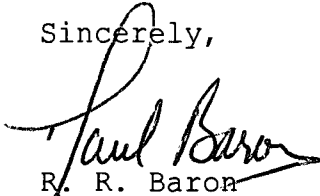
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If you should have any questions, please contact J. Vorees at
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Sincerely,



R. R. Baron
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and Licensing Manager (Acting)

Enclosure

cc (Enclosure):

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ENCLOSURE
WATTS BAR NUCLEAR PLANT UNIT 1, CYCLE 1
CORE OPERATING LIMITS REPORT
REVISION 1