



B&W NUCLEAR TECHNOLOGIES

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JHT/94-35

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

Reference: A. C. Thadani to J. H. Taylor, Acceptance for Referencing Topical Report BAW-10187P, "Statistical Core Design For B&W-Designed 177 FA Plants," March 24, 1993.

Subject: Statistical Core Design Topical Report, BAW-10187P

Gentlemen:

The reference safety evaluation report (SER) for BAW-10187P contains several conclusions reached as a result of the review of the statistical core design (SCD) topical report. In the lead paragraph in the Summary and Conclusions of the SER the following statement appears: "Specifically, the hot pin statistical design limit of 1.237 is acceptable with the following restrictions."

In work performed subsequent to the issuance of the SER, B&W Fuel Company (BWFC) has found additional sensitivities to certain parameters that affect the statistical design limit (SDL). This work and the impact on the SDL are discussed in the attachment to this letter.

The attachment is labelled Appendix F and entitled Exit Limited SCD Analysis. BWFC plans to include this appendix in the accepted (A) version of BAW-10187P. The NRC is hereby requested to review Appendix F and issue an addendum to the reference SER which approves its inclusion in BAW-10187P. The first application of SCD to a B&W-designed plant will be cycle 10 of Crystal River Unit 3. This cycle is scheduled to start up on June 11, 1994. To support this date, approval of Appendix F is needed by April 1, 1994.

In accordance with 10CFR2.790, it is requested that Appendix F be considered proprietary and withheld from public disclosure. An affidavit supporting this request was included with the November 16, 1992 submittal of BAW-10187P. A second copy of Appendix F is attached with the proprietary information enclosed in brackets.

Very truly yours,

J. H. Taylor, Manager
BWNT Licensing Services

Attachments

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cc: R. B. Borsum
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