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SUBJECT: Forwards Rev 1 to topical rept, "Reload Safety Evaluation
 Methods for Application to Kewaunee." Fee paid.

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March 27, 1987

10 CFR 50.54(a)(3)

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

Gentlemen:

Docket 50-305
Operating License DPR-43
Kewaunee Nuclear Power Plant
Reload Safety Methods

- References:
- 1) Letter from E. W. James (WPSC), to A. Schwencer (NRC), transmitting Wisconsin Public Service Corporation's topical report entitled, "Qualification of Reactor Physics Methods for Application to Kewaunee", October, 1978
 - 2) Letter from E. W. James (WPSC), to A. Schwencer (NRC), transmitting Wisconsin Public Service Corporation's topical report entitled, "Reload Safety Evaluation Methods for Application to Kewaunee", January, 1979
 - 3) Letter from A. Schwencer (NRC), to E. R. Mathews (WPSC), transmitting Safety Evaluation Report by the Office of Nuclear Reactor Regulation: "Qualification of Reactor Physics Methods for Application to Kewaunee", October 22, 1979
 - 4) Letter from A. Schwencer (NRC), to E. R. Mathews (WPSC), transmitting an updated status of Reactor Physics Methods Used at the Kewaunee Nuclear Power Plant, dated April 18, 1986

Enclosed are 3 copies of Revision 1 to our topical report entitled "Reload Safety Evaluation Methods for Application to Kewaunee."

WPSC has performed independent reload design and safety analyses for the Kewaunee Plant since 1979. The result of these efforts has been an excellent fuel and core performance record.

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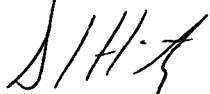
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In the ensuing years since the documentation of reload safety methodology was submitted (1, 2) and reviewed by NRC (3, 4), we have continued to improve and update our codes and procedures to maintain our high standards. In particular, we have added RETRAN02 to our body of computer codes which we apply to safety analyses of Kewaunee. VIPRE01 has replaced the COBRA-IV code for our thermal hydraulic applications. These and other improvements have served to increase the confidence, accuracy and flexibility of our capabilities.

Because we plan to implement these revisions in our 1988 core reload, we request that NRC schedule this review for completion within six months from the submittal date. If you require any additional information, feel free to contact my staff.

In accordance with 10 CFR 170.21, a check for \$150 is enclosed.

Sincerely,



D. C. Hintz
Vice President - Nuclear Power

DR/jms

Enc.

cc - Mr. Robert Nelson, US NRC
US NRC, Region III