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 HINTZ, D.C. Wisconsin Public Service Corp.
 RECIP. NAME RECIPIENT AFFILIATION
 VARGA, S.A. Operating Reactors Branch 1

SUBJECT: Notifies that heat transfer correlations for k(z) verification for facility will proceeding fuel cooling test facility to conserve collective resources & expedite resolution of issue. Analysis will be submitted on 851001.

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WISCONSIN PUBLIC SERVICE CORPORATION

P.O. Box 19002, Green Bay, WI 54307-9002



September 9, 1985

Director of Nuclear Reactor Regulation
Attention: Mr. S. A. Varga, Chief
Operating Reactors Branch No. 1
Division of Licensing
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Gentlemen:

Docket 50-305
Operating License DPR-43
Kewaunee Nuclear Power Plant
Heat Transfer Correlations for K(Z) Verification
For Kewaunee Nuclear Power Plant

- References:
- 1) Letter from D. C. Hintz (WPSC) to S. A. Varga (NRC) transmitting proposed schedule for LOCA analysis and K(Z) verification, dated June 7, 1985
 - 2) Letter from D. C. Hintz (WPSC) to S. A. Varga (NRC) providing status regarding the submittal of the FLECHT recorrelation, dated August 7, 1985
 - 3) Letter from J. C. Chandler (Exxon Nuclear) to Cecil O. Thomas (NRC), transmitting Exxon Nuclear Report "XN-NF-85-87(P), PWR 15x15/17x17 FLECHT Based Reflood, Quench, Carryover, and Heat Transfer Correlation," dated August 2, 1985
 - 4) Exxon Nuclear Report XN-NF-85-16(P), Volume 1 and 2, "PWR 17x17 Fuel Cooling Test Program," May 1985.

In references 1 and 2, we stated that Exxon Nuclear Company would be using the revised FLECHT based reflood heat transfer correlations (reference 3), for LOCA analysis and verification of the K(Z) function for the Kewaunee Nuclear Power Plant (KNPP).

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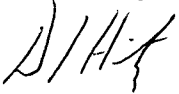
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Mr. S. A. Varga
September 9, 1985
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Recent discussions between Exxon Nuclear and the NRC concerning generic reflood heat transfer correlations have indicated that correlations based on data developed by Exxon Nuclear at their Fuel Cooling Test Facility (FCTF) can be applicable for generic PWR application using appropriate scaling factors. These FCTF correlations were submitted to NRC (Reference 4) and are currently under review. A supplemental report providing the technical justification for the use of the scaling factors is being prepared.

The application of the FCTF correlation for KNPP would eliminate the need for NRC review of the revised FLECHT based correlation. Therefore, to conserve our collective resources and expedite resolution of this issue, the K(Z) verification for KNPP will proceed using the FCTF correlations. The scheduled date for submittal of this analysis, October 1, 1985, remains unchanged.

Sincerely,



D. C. Hintz
Manager - Nuclear Power

DR/js

cc - Mr. Robert Nelson, US NRC