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

SUBJECT: Advises that util actions in response to NUREG-0737, Item II.K.3.30 (TAC 45835) re small-break LOCA analysis methods completed.Util will respond to Item II.K.3.31 re use of approved models for plant-specific calculations by May 1986.

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**WISCONSIN PUBLIC SERVICE CORPORATION**

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



July 26, 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  
 TAC Numbers 45835, 48174  
Completion of NUREG-0737 Item II.K.3.30 - Revised SB-LOCA Analysis Methods

- References: 1) Letter from S. A. Varga (NRC) to D. C. Hintz (WPSC) dated May 28, 1985  
 2) Letter from D. G. Eisenhut (NRC) to All Licensees of Operating Reactors, Applicants for Operating Licenses, and Holders of Construction Permits dated November 2, 1983 (Generic Letter Number 83-35)

WPSC, as a member of the Westinghouse Owner's Group (WOG), has followed the efforts to resolve NUREG-0737 item II.K.3.30. This item requires that the small-break loss-of-coolant-accident (SB-LOCA) analysis methods used by nuclear steam supply system vendors and/or fuel suppliers be revised, documented, and submitted for NRC approval. In response to this item, Westinghouse developed a new computer code, NOTRUMP, rather than revise the presently approved code, WFLASH. Through the WOG, WPSC has referenced NOTRUMP as the SB-LOCA model created to satisfy the requirements of NUREG-0737 item II.K.3.30. Your letter dated May 28, 1985 (reference 1), transmitted a Safety Evaluation Report approving NOTRUMP for use in satisfying item II.K.3.30. This completed item II.K.3.30 (TAC Number 45835) for the Kewaunee Nuclear Power Plant.

NUREG-0737 item II.K.3.31 requires licensees to perform plant-specific calculations using the models approved as described in item II.K.3.30 to show compliance with 10 CFR 50.46 within one year following the approval of the II.K.3.30 model. However, Generic Letter Number 83-35 (reference 2) states:

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"Therefore, the requirements of II.K.3.31 can be satisfied by each licensee by submittal of a plant-specific analysis that demonstrates that current SBLOCA analyses using previously approved evaluation models are more limiting than analyses using the revised (II.K.3.30) models. This bounding demonstration can be done on a generic basis through the owners groups or vendors and submitted individually by each licensee."

WPSC plans to respond to item II.K.3.31 through the WOG's generic II.K.3.31 program. This program is expected to demonstrate that previous analyses performed with WFLASH were conservative by comparing WFLASH results to NOTRUMP SB-LOCA model results. This conservatism would then be demonstrated on a generic basis. The results of this program are scheduled to be submitted to the NRC in May, 1986, for reference by each WOG member utility.

WPSC will continue to monitor the WOG's resolution of NUREG-0737 item II.K.3.31. Should anything occur that places the deadline established by II.K.3.31 in jeopardy, you will be informed either through WPSC or the WOG.

Very truly yours,



D. C. Hintz  
Manager - Nuclear Power

KAH/js

cc - Mr. Robert Nelson, US NRC