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SUBJECT: Requests approval for use of Alloy 690 steam generator tube
 plugs,per 10CFR50.55a(a)(3).

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WISCONSIN PUBLIC SERVICE CORPORATION

600 North Adams • P.O. Box 19002 • Green Bay, WI 54307-9002

March 9, 1990

10 CFR 50.55a(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
Alloy 690 Steam Generator Tube Plugs

Pursuant to 10 CFR 50.55a(a)(3), this letter is written to request approval for the use of plugs fabricated of nickel - chromium - iron UNS N-06690 material (alloy 690) to plug tubes in the steam generators of the Kewaunee Nuclear Power Plant.

This material is the subject of Code Case N-474-1 of the ASME Boiler and Pressure Vessel Code which has been approved by the Code Committee, but not yet published. The subject Code Case would authorize the use of alloy 690, in all forms, in the construction of Section III, Division 1, Class 1 components. The material is specified in ASME Code, Section II material specifications SB-163, SB-166, SB-167, and SB-168.

Authorization of the use of the alloy 690 material will minimize any ambiguity as to the acceptability of the use of alloy 690 mechanical or welded plugs to remove steam generator tubes from service.

The Kewaunee Nuclear Power Plant is currently shut down for its annual scheduled refueling/maintenance outage, with plant startup scheduled for early April, 1990. Therefore, expeditious consideration of this authorization is respectfully requested.

Sincerely,

A handwritten signature in dark ink, appearing to read "KHE" followed by a flourish.

K. H. Evers
Manager - Nuclear Power

CSS/jms

cc - Mr. Patrick Castleman, US NRC
US NRC, Region III

Mr. H. F. Conrad, US NRC, Office of Nuclear Reactor Regulation

Handwritten: Aool 1/0

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