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VPNPD-94-085
NRC-94-061

September 9, 1994

Document Control Desk
U.S. NUCLEAR REGULATORY COMMISSION
Mail Station P1-137
Washington, DC 20555

Gentlemen:

DOCKET 50-301
REQUEST TO USE ASME SECTION IX CODE CASES 2142 AND 2143
POINT BEACH NUCLEAR PLANT, UNIT 2

The purpose of this letter is to request approval in accordance with 10CFR50.55a(a)(3) for the use of Inconel Alloy 690 type weld filler materials in the fabrication and installation of the Point Beach Nuclear Plant, Unit 2, replacement steam generators. These Ni-Cr-Fe weld materials have been approved by ASME Section IX on November 25, 1992 and have since been published in Code case Supplement #3. The materials for Code cases 2142 and 2143 are designated as UNS N06052 and UNS W86152, respectively. The materials have been classified as F-No. 43 for weld procedure and performance qualification purposes.

The UNS W86152 filler material is a match for the shielded metal arc weld process and UNS N06052 is the companion for bare filler used in processes like gas tungsten arc welding. EPRI publications show that both materials have improved corrosion resistance for Alloy 690 weldments as compared to currently approved materials (N06082 and W86182). Both new materials are the preferred choice for welding applications involving Alloy 690 in a corrosive environment. These materials provide additional levels of quality and safety because of their superior corrosion resistance over present materials.

Please note that the Westinghouse design specification 412A72 dated June 1, 1994, for the Delta 47 replacement steam generators references the use of the Code Cases 2142 and 2143 in fabrication.

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Also, presently both ASME Section III and XI subcommittees have been asked to endorse each of the Code cases and it appears they will both be "N" Code cases shortly.

Sincerely,

A handwritten signature in dark ink, appearing to read 'Bob Link', with a stylized flourish at the end.

Bob Link
Vice President
Nuclear Power

RB/jj

cc: NRC Resident Inspector
NRC Regional Administrator