

February 21, 1990

Docket No. 50-346

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Mr. Donald C. Shelton  
Vice President - Nuclear  
Toledo Edison Company  
Edison Plaza - Stop 712  
300 Madison Avenue  
Toledo, Ohio 43652

Dear Mr. Shelton:

SUBJECT: REQUEST FOR PROPOSED ALTERNATIVE TO REQUIREMENTS OF ASME  
SECTION III FOR THE DAVIS-BESSE NUCLEAR POWER STATION  
(TAC NU. 75848)

By letter dated February 8, 1990 Toledo Edison Company requested approval for the use of B&W steam generator plugs manufactured with an alternate material. The alternate material is a nickel base alloy, ASME designation SB-166 (Alloy 690).

The staff has reviewed your request and supporting information and concludes that the use of Alloy 690 as a proposed alternative to the use of Alloy 600, in accordance with the requirements of the ASME Boiler and Pressure Vessel Code, will provide an acceptable level of quality and safety and because Alloy 690 has superior anti-corrosion properties to Alloy 600. Use of Alloy 690 in this application is hereby authorized under the provisions of 10 CFR 50.55a(a)(3) at Davis-Besse Nuclear Power Station.

Sincerely,

/s/

John N. Hannon, Director  
Project Directorate III-3  
Division of Reactor Projects - III,  
IV, V and Special Projects  
Office of Nuclear Reactor Regulation

cc: See next page

DOCUMENT NAME: TAC 75848  
\*See previous concurrence

Office: LA/PDIII-3  
Surname: PKreutzer  
Date: 2/16/90

JVM  
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TWambach/tg  
2/16/90

EMCB PD/PDIII-3  
KWichman \* JHannon  
2/15/90 2/21/90

OGC  
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JFO  
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UNITED STATES  
NUCLEAR REGULATORY COMMISSION

WASHINGTON, D. C. 20555

February 21, 1990

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Vice President - Nuclear  
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Sincerely,

A handwritten signature in cursive script that reads "John N. Hannon".

John N. Hannon, Director  
Project Directorate III-3  
Division of Reactor Projects - III,  
IV, V and Special Projects  
Office of Nuclear Reactor Regulation

cc: See next page

Mr. Donald C. Shelton  
Toledo Edison Company

Davis-Besse Nuclear Power Station  
Unit No. 1

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