

February 9, 1990

Mr. Henry D. Hukill, Vice President
and Director - TMI-1
GPU Nuclear Corporation
P. O. Box 480
Middletown, Pennsylvania 17057

Dear Mr. Hukill:

SUBJECT: REQUEST FOR PROPOSED ALTERNATIVE TO REQUIREMENTS OF
ASME SECTION III FOR THE THREE MILE ISLAND UNIT 1 (TAC No. 75932)

By letter of January 25, 1990 GPU Nuclear Corporation 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. Use of Alloy 690 in this application is hereby authorized under the provisions of 10 CFR 50.55a(a)(3) at Three Mile Island Unit 1.

Sincerely,

/s/

John F. Stolz, Director
Project Directorate I-4
Division of Reactor Projects I/II
Office of Nuclear Reactor Regulation

cc: See next page

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Mr. Henry D. Hukill
GPU Nuclear Corporation

Three Mile Island Nuclear Station,
Unit No. 1

cc:

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