

February 7, 1991

Docket No. 50-289

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Mr. Gary T. Broughton, Vice President
and Director - TMI-1
GPU Nuclear Corporation
P. O. Box 480
Middletown, Pennsylvania 17057

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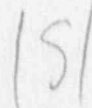
Dear Mr. Broughton:

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 9, 1991, GPU Nuclear Corporation requested approval for the use of steam generator sleeves and sleeve plugs manufactured with an alternate material at TMI-1. The alternate material is a nickel base alloy, ASME designation SB-166 (Inconel 690). Inconel 690 has superior corrosion resistance properties and other mechanical properties similar to Inconel 600.

The staff has reviewed your request and supporting information and concludes that the use of Inconel 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. We have previously approved use of this alloy for fabrication of steam generator tube plugs. Use of Inconel 690 in this application is hereby authorized under the provisions of 10 CFR 50.55a(a)(3) at Three Mile Island Unit 1.

Sincerely,



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

cc: See next page

DOCUMENT NAME: PROPOSED ALTERNATIVE FOR TMI-1

*SEE PREVIOUS CONCURRENCE

Office:	*LA/PDI-4	*PM/PDI-4	*PD/PDI-4	*DET/EMCB
Surname:	SNorris	RHernan/tg	JStolz	CCheng
Date:	01/15/91	01/15/91	01/18/91	01/22/91

OGCS *[Signature]*
1/30/91

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and Director - TMI-1
GPU Nuclear Corporation
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Surname:	SNorris	RHernan/tg	JStolz	CCheng	
Date:	1/15/91	1/15/91	1/18/91	1/17/91	1/ /91

Mr. Gary T. Broughton
GPU Nuclear Corporation

Three Mile Island Nuclear Station,
Unit No. 1

cc:

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