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January 9, 1991
C311-90-2158

U. S. Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, DC 20555

Dear Sir:

Subject: Three Mile Island Nuclear Station, Unit 1 (TMI-1)
Operating License No. DPR-50,
Docket No. 50-289
Use of Inconel 690 (I-690) Material in Once Through Steam
Generator (OTSG)

GPUN requests authorization for the use of OTSG sleeves and sleeve plugs fabricated from I-690 material as an alternative to the I-600 material, in accordance with 10 CFR 50.55a(3) and ASME Code Case N474-1 for tubular product and rod forms.

The I-690 material has superior corrosion resistance properties and other mechanical properties similar to I-600. In addition, similar uses for the I-690 material have previously been approved by the NRC.

In order to facilitate preparation for the next refueling outage (scheduled to begin in October 1991) we request your expeditious review and approval of this authorization request.

Sincerely,

T. G. Broughton
T. G. Broughton
Vice President & Director, TMI-1

HDH/EP/plp

cc: TMI-1 Project Manager
Regional Administrator - Region I
TMI-1 Resident Inspector

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