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UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20665-0001

MEMORANDUM TO: Steven A. Varga, Project Director
Division of Reactor Projects I/II

FROM: Keith R. Wichman, Chief
Material Integrity Section
Materials and Chemical Engineering Branch
Division of Engineering

SUBJECT: **MILLSTONE 1: REVIEW OF CRACKED WELD OPERABILITY CALCULATIONS -
STAFF'S RESPONSE TO THE NRC TASK INTERFACE AGREEMENT (TIA)
DATED AUGUST 2, 1996 CONCERNING TECHNICAL ASSISTANCE REQUEST
FOR THIS REVIEW**

Plant Name: Millstone 1
Licensee: Northeast Utilities
TAC Number: M96313
Review Status: Complete

By NRC memorandum dated August 2, 1996, Richard W. Cooper, Director of the Division of Reactor Projects (Region I) requested Steven A. Varga, Director of Region I Reactors (NRR), to assist in reviewing several weld operability calculations performed by the engineering staff of Northeast Utilities (NU) in reports 95-SDS-1401M1 and 96-SDS-1512M1 for Millstone 1. The weld calculations were obtained as part of a follow up to an open item in Inspection Report (50-245/96-01) regarding the Generic Letter (GL) 88-01 Inter-Granular Stress Corrosion Cracking (IGSCC) program at Millstone 1.

The Materials and Chemical Engineering Branch has completed the review. Based on the evaluation, the staff concludes that all the calculation procedures and results in reports 95-SDS-1401M1 and 96-SDS-1512M1 are correct. Although Appendix C methodology is not suitable for through-wall flaw evaluations, its use by NU in 96-SDS-1512M1 was proper for a rough estimate of the remaining margin for the circumferential flaw with the old configuration.

The staff's evaluation is attached as Attachment 1. Since this effort does not involve the issuing of a safety evaluation report (SER), a SALP is not needed. This completes our efforts for TAC No. M96313.

Docket No. 50-245

Attachment: As stated

cc: J. Anderson, NRR

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