



MFN-177-96
November 15, 1996

General Electric Company
175 Curtner Avenue, San Jose, CA 95125

Document Control Desk
United States Nuclear Regulatory Commission
Washington, DC 20555

Attention: Mr. C. E. Carpenter, Jr., Lead Project Manager
Materials and Chemical Engineering Branch
Division of Engineering, Office of Nuclear Reactor Regulation

Subject: **Non-Proprietary Version: GE Nuclear Energy report entitled "Prediction of Environmentally Assisted Cracking in Boiling Water Reactors: Part I: Unirradiated Stainless Steel Components."**

Reference: RL Cowan to NRC, GE-MFN-078-96, dated June 6, 1996.

As a follow up to the earlier submittal of the proprietary report titled "Prediction of Environmentally Assisted Cracking in Boiling Water Reactors: Part I: Unirradiated Stainless Steel Components," NEDC-3132613P, June 1996, this letter serves to submit ten (10) copies (Attachment I) of the non-proprietary version of the report. This version was requested by the NRC.

The submittal continues to provide information as a response to the previous request by the NRC for information about the PLEDGE model. In addition, the Unirradiated PLEDGE model is being used to support the BWR Owner's Group response on the NRC Safety Evaluation for "Implementation of Improved Water Chemistry and Technical Basis for Revised Piping Inspection Schedules." This response is anticipated to be submitted in the next two months. The other application of PLEDGE has been in conjunction with the BWRVIP's Water Chemistry Guidelines, Revision 1, which has completed preparation in the first part of November 1996.

If there are questions about the content of the submitted report, inquiries may be directed to Ron Horn at (408) 925-3515.

Thank you for your attention.

Sincerely,

R. M. Horn, Materials Technology
Nuclear Services, General Electric Nuclear Energy

Attachments: 1) NEDO-32613, *Prediction of Environmentally Assisted Cracking in Boiling Water Reactors Part I: Unirradiated Stainless Steel Components*, dated October 1996.

cc: JR Strosnider, Branch Chief w/o Attachment
RL Cowan
BA McAllister

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