52-004

UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

August 8, 1995

Mr. James E. Quinn, Projects Manager
LMR and SBWR Programs
GE Nuclear Energy
175 Curtner Avenue, M/C 165
San Jose, California 95125

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION (RAI) REGARDING THE SIMPLIFIED BOILING WATER REACTOR (SBWR) DESIGN (Q901.159)

Dear Mr. Quinn:

The Nuclear Regulatory Commission (NRC) staff is continuing its review activities associated with the testing and analysis program related to design certification of the SBWR. Some additional information on the material presented in your Licensing Topical Report (LTR) NEDE-32178P, Revision 0 (TRACG Application) is needed for our efforts to review and approve TRACG for SBWR safety analyses. In order to maintain progress on this review effort, please provide a written response to the question in the enclosure within 30 days of the date of this letter.

The staff review of the TRACG code for use in the SBWR licensing is still in process. Additional questions may be forwarded to you in the future.

You have requested that the information in LTR NEDE-32178P, Revision 0 be withheld from public disclosure and treated as proprietary under the provisions of 10 CFR 2.790. The staff concludes that this RAI does not contain information that you have requested be treated as proprietary. However, the staff will withhold this letter from public disclosure for 30 calendar days from the date of this letter to allow GE the opportunity to verify the staff's conclusion in this regard. If, after that time, you do not request that all or portions of the information in the enclosure be withheld in accordance with 10 CFR 2.790, this letter will be placed in the NRC's Public Document Room.

This RAI affects nine or fewer respondents, and therefore is not subject to review by the Office of Management and Budget under P.L. 96-511.

IE0072

D103 1/1

If you have any questions regarding this matter, contact me at (301) 415-1108 or Son Ninh at (301) 415-1125.

Sincerely,

Original signed by
James H. Wilson, Sr. Project Manager
Standardization Project Directorate
Division of Reactor Program Management
Office of Nuclear Reactor Regulation

Docket No. 52-004

Enclosure:
As stated

cc w/enclosure:
See next page

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*** HOLD FOR 30 DAYS**

DOCUMENT NAME: A: RAI-901.159
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Mr. James E. Quinn
GE Nuclear Energy

Docket No. 52-004

cc: Mr. John E. Leatherman, Manager
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Mr. Rob Wallace
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Enclosure to be distributed to the following addressees after the result of the proprietary evaluation is received from Simplified Boiling Water Reactor:

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Westinghouse Electric Corporation
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Mr. Sterling Franks
U.S. Department of Energy
NE-42
Washington, DC 20585

Director, Criteria & Standards Division
Office of Radiation Programs
U.S. Environmental Protection Agency
401 M Street, S.W.
Washington, DC 20460

Mr. Frank A. Ross
Program Manager, ALWR
Office of LWR Safety & Technology
U.S. Department of Energy
NE-42
19901 Germantown Road
Germantown, MD 20874

REQUEST FOR ADDITIONAL INFORMATION (RAI) CONCERNING
SIMPLIFIED BOILING WATER REACTOR (SBWR)
LICENSING TOPICAL REPORT NEDE-32178P
(TRACG APPLICATION)

901.159 Recent staff experience in reviewing best-estimate computer codes for licensing calculations has resulted in the need for additional information concerning the development and implementation of a CSAU-type uncertainty analysis methodology for TRACG application to SBWR. In response to a staff RAI, GE stated that a detailed CSAU-type uncertainty analysis for SBWR application will be performed and will be documented in Revision 1 of LTR NEDE-32178P (scheduled for issuance in April 1996). The staff requests that GE provide a step-by-step description of the CSAU-type process that it plans to use for SBWR application, consistent with Regulatory Guide 1.157. The application of the GE methodology for the SBWR should be consistent with the CSAU methodology described in NUREG/CR-5249. A separate chapter in the beginning of the LTR should be dedicated, clearly identifying the steps of the GE methodology and comparing each step with the fourteen steps that have been identified for the CSAU methodology in NUREG/CR-5249.

Enclosure