

GENERAL ELECTRIC

GENERAL ELECTRIC COMPANY, 175 CURTNER AVE., SAN JOSE, CALIFORNIA 95125
MC 632, (408) 925-5003

NUCLEAR ENERGY
PROJECTS DIVISION

MFN-171-79

July 20, 1979

KWC-016-79

U.S. Nuclear Regulatory Commission
Office of Nuclear Reactor Regulation
Washington, D.C. 20555

Attention: Mr. F. Schroeder, Acting Director
Division of Systems Safety

Mr. D.G. Eisenhut, Assistant Director
Division of Operating Reactors

Gentlemen:

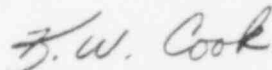
SUBJECT: IMPLEMENTATION OF A REVISED PROCEDURE FOR CALCULATING HOT
CHANNEL TRANSIENT Δ CPR

General Electric has recently completed qualification of a revised computer program for determination of transient critical power ratios. This program represents an improvement in the existing SCAT (Single Channel Analysis of Transients) Program. These improvements afford additional users' convenience, as well as providing a model better capable of handling high pressurization rate conditions. A discussion of the modifications is contained in the attachment to this letter.

General Electric has completed the technical portion of the quality assurance process for implementation of this new thermal-hydraulic model as part of the methodology for evaluation of transients. The remaining documentation items are expected to be completed in July, 1979, and upon their completion the new version of the code will be used to establish operating limits for all core wide transient analyses.

If you have any questions regarding this transmittal, I would be pleased to review the information with you or your staff.

Very truly yours,



K.W. Cook, Sr. Licensing Engineer
Special Projects Licensing
BWR Systems Licensing

KWC:jw

Attachment

cc: L.S. Gifford
F. Odar (NRC)
M.M. Mendonca (NRC)

457 052

7807250 392

XGOS
1/1
NOTE TO
TERA
2 ADDRESS

