

GENERAL ELECTRIC

NUCLEAR ENERGY BUSINESS OPERATIONS
GENERAL ELECTRIC COMPANY • 175 CURTNER AVENUE • SAN JOSE, CALIFORNIA 95125

MC 682, (408) 925-3697
MFN-115-85
JSC-059-85

September 24, 1985

U.S. Nuclear Regulatory Commission
Division of Licensing
Washington, DC 20555

Attention: C. O. Thomas Chief
Standardization and Special Projects Branch

Gentlemen:

SUBJECT: PROPOSED ADMINISTRATIVE AMENDMENT TO GE LICENSING TOPICAL REPORT
NEDE-24011-P-A

Reference: 1) Letter from J. F. Quick (GE) to Olan D. Parr (NRC),
"General Electric Licensing Topical Report NEDE-24011-P-A,
Generic Reload Fuel Application", 9/11/78
2) Letter from J. S. Charnley (GE) to R. L. Tedesco (NRC),
"Administrative Amendments to GE Licensing Topical Reports
NEDE-24011-P-A-4 and NEDE-24011-P-A-4-US", 8/31/82

This letter submits for NRC review two copies of a proposed administrative amendment to NEDE-24011-P-A, "General Electric Standard Application for Reactor Fuel". This proposed amendment has been designated Amendment 13 to Revision 6 of NEDE-24011. Twenty additional copies will be submitted later under separate cover.

Amendment 13 has been divided into nine separate sections (A through J) according to subject. A summary page, discussing the changes made to each particular section, is located at the beginning of each section. A brief summary of each section is also outlined below:

- 13A. GEMINI Physics Information - The new NRC approved GE nuclear physics models have been incorporated into both the base document & U.S. supplement and a discussion of both sets of fuel design and analysis methods (GENESIS and GEMINI) is included.
- 13B. SAFER/GESTR-LOCA - The NRC approved SAFER/GESTR analysis methodology has been incorporated into the U.S. supplement as an option which can be used instead of the SAFE/REFLOOD methods for ECCS analysis.
- 13C. New Bundles - Several specific new bundle descriptions (8x8R, P8x8R and BP8x8R) have been incorporated into Appendices C and D of the base document. No GE8x8E fuel has been introduced into this amendment.
- 13D. Appendix U.S.-A Update - Appendix A to the U.S. supplement (Supplemental Reload Licensing Submittal standard form) has been updated to incorporate the SAFER/GESTR option, the new NRC approved stability criteria, the MEOD and ARTS operating flexibility options and other minor changes.

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- 13E. Loss of Feedwater Heating - A generic loss of feedwater heating (LFWH) analysis for 8x8, 8x8R, P8x8R and BP8x8R was incorporated into the U.S. supplement.
- 13F. Appendix U.S.-C Update - This section was rearranged to better organize the various NRC Safety Evaluation Reports (SERs) for the original GESTAR document and Revisions 1 through 6 and to eliminate the SERs for outdated documents.
- 13G. New Operating Flexibility Options - Write-ups for the ARTS and MEOD operating flexibility options were added to the U.S. supplement. These sections are included only to describe the impact of these options on the reload license. Separate approval must be obtained before these options can be used on a specific plant.
- 13H. As-Loaded Core Criteria - The criteria for as-loaded core reload batch changes has been modified to delete information which was redundant to other information in the section.
- 13J. Miscellaneous Changes - The GETAB and Transient Operating Parameters tables in the U.S. supplement were updated with the latest data. Any references in the base document to specific sections in the U.S. supplement were removed in order to make the base document applicable to foreign country supplements. The section describing how the core effective multiplication factor (k_{eff}) is calculated was rewritten to provide a clearer description. Also corrections were made to several miscellaneous typos and figures in both the base document and the U.S. supplement.

Changes to NEDE-24011-P-A are underlined and bracketed with a 6/85 date and with a 13A, 13B, ... or 13J depending on the change. All changes are based on Revision 6 of NEDE-24011; however, changes proposed in NRC approved Amendments 7, 8 and 9, and unapproved Amendments 10, 11 and 12 are also included on those pages common to those amendments and Amendment 13. For clarity, changes associated only with Amendment 13 are bracketed.

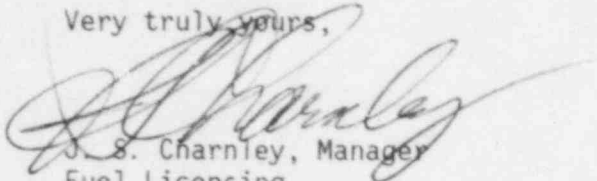
Some of the information contained in Amendment 13 to NEDE-24011-P-A is of the type which GE has maintained in confidence and withholds from public disclosure. It has been handled and classified as proprietary by General Electric as indicated in the affidavit attached to the initial submittal given in Reference 1 and the attached affidavit to Reference 2 for information concerning the new fuel design options. We hereby request that this information be withheld from public disclosure in accordance with the provisions of 10CFR2.790. Specific proprietary information has been indicated by "bars" drawn in the margin of the text of the report and in the illustrations and tables.

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Please contact D. K. Dennison (408) 925-3302 of my staff if you have any questions.

Very truly yours,



J. S. Charnley, Manager
Fuel Licensing
Nuclear Safety and Licensing Operation

JSC:br/N09171*

Attachment

cc: D. K. Dennison
R. Lobel (NRC)