



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

UNITED STATES NUCLEAR REGULATORY COMMISSION

DOCKET NO. STN 50-447

GENERAL ELECTRIC COMPANY

GENERAL ELECTRIC STANDARD SAFETY ANALYSIS REPORT

(GESSAR II BWR/6 NUCLEAR ISLAND DESIGN)

NOTICE OF ISSUANCE OF AMENDMENT NO. 1 TO

FINAL DESIGN APPROVAL NO. FDA-1

Notice is hereby given that the staff of the Nuclear Regulatory Commission (NRC) has issued Amendment No. 1 to FDA-1, the Final Design Approval for the BWR/6 Nuclear Island design described in the General Electric Standard Safety Analysis Report GESSAR II. FDA-1, which was issued by the NRC staff on July 27, 1983 (48 FR 35050), permitted the GESSAR II design to be referenced in utility applications for operating licenses for those plants that referenced the Preliminary Design Approval for the GESSAR-238 Nuclear Island design (PDA-1) at the construction permit stage. Amendment No. 1 to FDA-1 removes the present constraint on the forward referenceability of the GESSAR II design and permits it to be referenced in new construction permit and operating license applications as provided by Paragraph B.3.b of the Commission's "Policy Statement on Severe Reactor Accidents Regarding Future Designs and Existing Plants" (50 FR 32138).

GESSAR II contains final safety-related design information for the nuclear island portion of a BWR-6/Mark III containment boiling water reactor type nuclear power plant which includes the nuclear steam supply system (NSSS),

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engineered safety feature systems, reactor building (including shield building and containment), auxiliary building, control building, radwaste building, fuel handling building, and related systems and structures. The BWR/6 Nuclear Island reference design is for a facility which would operate at a core thermal power level of 3730 megawatts (1269 megawatts electrical, nominal net).

The GESSAR II design was reviewed by the NRC staff pursuant to Appendix 0 to 10 CFR Part 50. The Safety Evaluation Report (SER), NUPEG-0979, dated April 1983 and Supplement 1 thereto dated July 1983 document the results of the NRC staff's review and evaluation of the GESSAR II design including Amendments 1 through 16 thereto. The SER also addresses the comments of the Advisory Committee on Reactor Safeguards (ACRS) as reflected in its report to the Commission dated June 15, 1983. A copy of the ACRS' report is included to Appendix F to SER Supplement 1.

Based on its review, the NRC staff has concluded, subject to the conditions set forth in Amendment 1 to FDA-1, that the information provided in GESSAR II complies with the requirements of 10 CFR Part 50, Appendix 0, and with Paragraph B.3.b(1) of the Commission's "Policy Statement on Severe Reactor Accidents Regarding Future Designs and Existing Plants," and is acceptable for incorporation by reference in utility applications for construction permits and operating licenses. Upon completion of NRC Staff and ACRS review for severe accident considerations, this Final Design Approval will be further amended.

Issuance of Amendment No. 1 to FDA-1 does not constitute a commitment to issue a permit or license, or in any way affect the authority of the

Commission, Atomic Safety and Licensing Appeal Board, Atomic Safety and Licensing Boards and other presiding officers in any proceeding under Subpart G of 10 CFR Part 2. This action only approves the design of a facility for use for reference purposes in applications for construction permits and operating licenses for nuclear power plants. It does not authorize the operation of any nuclear power plant or any other facility. The environmental impacts associated with any facility proposed to be operated utilizing the approved reference design will be considered in accordance with the Commission's regulations in 10 CFR Part 51.

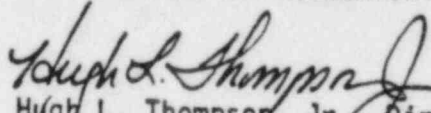
The Final Design Approval as amended is effective as of its date of issuance and shall be further amended at the completion of the severe accident review described in Paragraph 6(c) therein to implement the results of that review.

For further details with respect to this action, see (1) Amendment No. 1 to FDA-1 and Attachment A thereto; (2) the NRC staff's Safety Evaluation Report, NUREG-0979, dated April 1983 and Supplement 1 thereto, dated July 1983; (3) the report of the Advisory Committee on Reactor Safeguards dated June 15, 1983; (4) the General Electric Standard Analysis Report GESSAR II and Amendments 1 through 16 thereto; and (5) the Commission's "Policy Statement on Severe Reactor Accidents regarding Future Design and Existing Plants." These documents are available for public inspection at the Commission's Public Document Room at 1717 H Street, N.W., Washington, D.C. 20555. A copy of

Amendment No. 1 to FDA-1 and Attachment A thereto may be obtained upon request to the U. S. Nuclear Regulatory Commission, Washington, D.C. 20555, Attention: Director, Division of Licensing. Copies of the Safety Evaluation Report and Supplement 1 thereto may be purchased by calling (202) 275-2060 or (202) 275-2171 or by writing to the Superintendent of Documents, U. S. Government Printing Office, Post Office Box 37082, Washington, D. C. 20013-7982.

Dated at Bethesda, Maryland, this 9th day of August, 1985.

FOR THE NUCLEAR REGULATORY COMMISSION



Hugh L. Thompson, Jr., Director
Division of Licensing
Office of Nuclear Reactor Regulation