

AUG 14 1975

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Central Files - Topical Reports

Mr. Ivan Stuart, Manager
Safety and Licensing
Nuclear Energy Division
175 Curtner Avenue
San Jose, California 95114

Dear Mr. Stuart:

We have completed our review of the General Electric Company topical report NEDO-20533, "The General Electric Mark III Pressure Suppression Containment System Analytical Model." This report describes the analytical model used by the General Electric Company to determine the short-term Mark III containment pressure response to a loss-of-coolant accident, excluding suppression pool dynamic effects. Included in the report are selected comparisons with experimental data which were derived from the large scale Mark III test program being conducted by General Electric in San Jose, California.

Based on our review, we conclude that NEDO-20533 is acceptable for reference in license applications as a method for calculating the short-term pressure-temperature response of a Mark III containment, excluding the region between the suppression pool and Hydraulic Control Units floor (wetwell) and subject to the restrictions set forth in the enclosed NRC staff evaluation.

The staff does not intend to repeat its review of NEDO-20533 when it appears as a reference in specific license applications except to assure that the topical report is applicable to the specific plants involved.

Should our criteria or regulations change such that our conclusions concerning NEDO-20533 are invalidated, you will be notified and will be given the opportunity to revise and resubmit your topical report for review, should you so desire.

In accordance with established procedure, it is requested that General Electric issue a revised version of NEDO-20533 and include any supplementary information provided for our review, along with the NRC staff acceptance letter and evaluation.

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Mr. Ivan Stuart

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If you have any questions concerning our evaluation of WEDO-20533 please contact us.

Sincerely,

Original signed by
Walter Butler

Walter R. Butler, Chief
Light Water Reactors Branch 1-2
Division of Reactor Licensing

Enclosure:

Topical Report Evaluation

cc: Mr. L. Gifford
General Electric Company
4720 Montgomery Lane, Suite 1107
Bethesda, Maryland 20014

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