

January 10, 1991

Docket Nos. 50-325  
and 50-324

Mr. Lynn W. Eury  
Executive Vice President  
Power Supply  
Carolina Power & Light Company  
Post Office Box 1551  
Raleigh, North Carolina 27602

Dear Mr. Eury:

SUBJECT: REVISION OF SAFER/GESTR-LOCA ANALYSIS - BRUNSWICK STEAM ELECTRIC  
PLANT, UNITS 1 AND 2 (TAC NOS. 77585 AND 77586)

By letter dated September 6, 1990, you submitted a request for staff approval of the use of the SAFER/GESTR-LOCA methodology for analysis of postulated loss-of-coolant accidents (LOCA) at the Brunswick Steam Electric Plant (BSEP), Units 1 and 2. This request was supported by the General Electric (GE) Nuclear Energy Report NEDC-31624P, Revision 2, dated July 1990.

You stated in your letter that the original version (Revision 0) of the GE report was approved by the NRC letter dated June 1, 1989. Following approval of Revision 0, a revision to the report (Revision 1) was made by GE. However, publication errors were found; and the report was corrected and reissued as Revision 2. The results and conclusions of Revision 0 remain unchanged, and no changes are required to the Technical Specifications or the thermal limits in the Core Operating Limits Report.

The staff has completed its evaluation of the modifications made for Revision 2 and finds the changes to be acceptable. Therefore, the SAFER/GESTR-LOCA methodology as described in the Revision 2 to NEDC-31624P can be used to provide a revised LOCA licensing basis for both of the Brunswick units and can be referenced in future licensing submittals. The staff's Safety Evaluation is enclosed.

Sincerely,

Original Signed By:

Ngoc B. Le, Project Manager  
Project Directorate II-1  
Division of Reactor Projects - I/II  
Office of Nuclear Reactor Regulation

Enclosure:  
As stated  
cc w/enclosure:  
See next page

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Mr. L. W. Eury  
Carolina Power & Light Company

Brunswick Steam Electric Plant  
Units 1 and 2

cc:

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