



Carolina Power & Light Company

SEP 06 1990

SERIAL: NLS-90-121  
10 CFR 50.46

United States Nuclear Regulatory Commission  
ATTENTION: Document Control Desk  
Washington, DC 20555

BRUNSWICK STEAM ELECTRIC PLANT, UNIT NOS. 1 AND 2  
DOCKET NOS. 50-325 & 50-324/LICENSE NOS. DPR-71 & DPR-62  
SAFER/GESTR LOCA ANALYSIS REVISION

REFERENCES:

1. Letter from A. B. Cutter (CP&L) to NRC Document Control Desk, "SAFER/GESTR-LOCA Loss-of-Coolant Analysis," March 29, 1989.
2. NEDC-31624P, "Brunswick Steam Electric Plant Units 1 and 2 SAFER/GESTR-LOCA Loss-of-Coolant Accident Analysis."
3. Letter from E. G. Tourigny (NRC) to L. W. Eury (CP&L), June 1, 1989, "SAFER/GESTR-LOCA Analysis, Brunswick Steam Electric Plant, Units 1 and 2 (TAC Nos. 72854/72855)."

Gentlemen:

By letter dated March 29, 1989 (Reference 1), Carolina Power & Light Company (CP&L) submitted a request to use the SAFER/GESTR-LOCA application methodology (Reference 2) for analysis of postulated loss-of-coolant accidents for the Brunswick Steam Electric Plant, Units 1 and 2. On June 1, 1989 (Reference 3), the NRC accepted the use and referencing of the methodology in future Technical Specification changes and as a revision to the Brunswick Plant LOCA licensing basis.

Subsequent to the submittal and approval by the NRC of the SAFER/GESTR-LOCA methodology, a revision of the report (Revision 1) was prepared by General Electric (GE) Nuclear Energy at the request of CP&L and issued as Revision 1. However, due to the identification of publication errors in the report, Revision 1 was not submitted to the NRC for review and approval. The publication errors have now been corrected and the report re-issued as Revision 2. The results and conclusions of the original (i.e., Revision 0) report remain unchanged and no changes to Technical Specifications or thermal limits reported in the Core Operating Limits Report are required.

Carolina Power & Light Company hereby requests approval of GE Nuclear Energy Report NEDC-31624P, Revision 2, "Brunswick Steam Electric Plant, Units 1 and 2, SAFER/GESTR-LOCA Loss-of-Coolant Accident Analysis" as the revised LOCA licensing basis for the Brunswick Plant, Units 1 and 2. Since the Company

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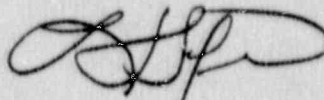
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plans to reference Revision 2 of the report in the LOCA Report, Supplemental Reload Licensing Report, and Core Operating Limits Report for the upcoming Unit 1 Cycle 8, the Company requests that the Staff review and approve the Revision 2 report by December 31, 1990.

Revision 2 of the report is provided as Enclosure 1. A summary of the pages being updated and the reasons for each change is provided as Enclosure 2. The report includes information considered proprietary by General Electric and, therefore, which should be withheld from public disclosure. Enclosure 3 provides the GE affidavit attesting to this fact.

Please refer any questions regarding this submittal to Mr. W. R. Murray at (919) 546-4661.

Yours very truly,



L. I. Loflin  
Manager  
Nuclear Licensing Section

WRM/SG/wrm (\cor\safer)

Enclosures

cc: Mr. S. D. Ebnetter  
Mr. N. B. Le  
Mr. R. L. Prevatte