

John S. Keenan, Vice President
 Carolina Power & Light Company
 Brunswick Steam Electric Plant
 Post Office Box 10429
 Southport, North Carolina 28461

October 16, 1998

SUBJECT: EVALUATION OF THE JANUARY 17, 1992, OPERATING TRANSIENT AT THE BRUNSWICK STEAM ELECTRIC PLANT, UNIT 1, AND EVALUATION OF CAROLINA POWER & LIGHT COMPANY'S EQUIVALENT MARGINS ANALYSIS OF THE N-16A/B INSTRUMENT NOZZLES AT THE BRUNSWICK STEAM ELECTRIC PLANT, UNITS 1 AND 2 (TAC NOS. MA0399/400)

Dear Mr. Keenan:

By letter dated January 7, 1997, the Carolina Power & Light (CP&L) Company requested revisions to the pressure-temperature (P-T) limit curves in the Technical Specifications (TS) for the Brunswick Steam Electric Plant (BSEP), Units 1 and 2. During the course of this review, the staff identified two ancillary issues which required additional NRC review beyond that necessary to approve the P-T limits TS amendment. The staff completed its review of the P-T limits TS amendment and issued it by letter dated October 7, 1997. Concurrent with the P-T limit amendment review, the staff continued its review of the two additional issues.

The first issue involves CP&L's evaluation of the January 17, 1992, operating transient at BSEP, Unit 1. After discussions with the staff, CP&L completed and submitted a revised analysis of this transient. The reanalysis was the subject of the staff's review. The second issue involves the equivalent margins analysis (EMA) for the N-16A/B instrument nozzles. These nozzles are welded to the beltline regions of the reactor pressure vessels at BSEP. At the staff's request, CP&L submitted the EMA for the N-16 A/B nozzles to demonstrate that the instrument nozzles would meet the fracture toughness requirements stated in Appendix G to Section XI of the American Society of Mechanical Engineers Boiler and Pressure Vessel Code.

The staff has completed its review of these issues. Copies of the Safety Evaluations are enclosed.

Sincerely,

/s/
 David C. Trimble, Project Manager
 Project Directorate II-3
 Division of Reactor Projects - I/II
 Office of Nuclear Reactor Regulation

Docket Nos. 50-325 and 50-324

Enclosures: As stated

cc w/enclosures: See next page

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PM:PDII-3	LA:PDII-2	OGC	PD:PDII-3	
DTrimble	EDunnington		FHebdon	
10/16/98	10/15/98 ETD	1/98	10/16/98	
Yes/No	Yes/No	Yes/No	Yes/No	

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UNITED STATES
NUCLEAR REGULATORY COMMISSION

WASHINGTON, D.C. 20555-0001

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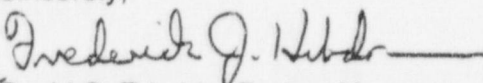
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Brunswick Steam Electric Plant
Units 1 and 2

cc:

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cc: Brunswick Service List

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