

MAY 20 1988

Docket No. 50-324

Mr. E. E. Utley  
Senior Executive Vice President  
Power Supply and Engineering & Construction  
Carolina Power and Light Company  
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Dear Mr. Utley:

SUBJECT: INTERGRANULAR STRESS CORROSION CRACKING - INSPECTION AND REPAIRS;  
BRUNSWICK STEAM ELECTRIC PLANT, UNIT 2 (TAC NO. 67592)

By letters dated October 2 and December 30, 1987, you submitted your plans for the intergranular stress corrosion cracking (IGSCC) inspection program to be performed during the Brunswick Steam Electric Plant (BSEP), Unit 2, Reload 7 outage. The NRC staff reviewed the inspection program description and the proposed method for mitigation and repair of Inconel butter welds, and informed you by letter dated March 2, 1988 that the proposed program meets the staff guidelines and is acceptable. The inspection/repair program was subsequently implemented, and by letter dated March 26, 1988, you provided a report of the IGSCC-related activities that were performed during the outage. In addition, your letter provided justification for continued operation of BSEP Unit 2 until the next refueling outage, presently scheduled to begin in August 1989. The IGSCC-related activities performed during the Reload 7 outage included weld repair upgrades of existing weld overlays, repairs of additional welds, and weld examinations.

Based on the staff's review of the information provided in the October 2, 1987, December 30, 1987 and March 25, 1988 submittals, we find that the improvements, inspection, and repairs performed during the Reload 7 outage meet the guidelines of NUREG-0313, Revision 2, issued by Generic Letter 88-01, and are acceptable. We conclude that BSEP Unit 2 is safe for continued operation for at least one additional fuel cycle, because the integrity of the reactor coolant piping pressure boundary would be maintained. Our detailed Safety Evaluation, which provides the basis for this conclusion, will be transmitted under separate cover.

Sincerely,

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PDR ADOCK 05000324  
P PDR

Ernest D. Sylvester, Project Manager  
Project Directorate II-1  
Division of Reactor Projects I/II

cc: See next page

OFC	:LA:PD21:DRPR:PM:PD21:DRPR:PE:PD21:DRPR:D:PD21:DRPR	: EMTB	:	:
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Units 1 and 2

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