

*Docket*



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D.C. 20555  
April 15, 1992

Docket Nos. 50-325  
and 50-324

Mr. R. A. Watson  
Senior Vice President  
Nuclear Generation  
Carolina Power & Light Company  
P. O. Box 1551  
Raleigh, North Carolina 27602

Dear Mr. Watson:

SUBJECT: IGSCC INSPECTION RESULTS FOR REFUELING OUTAGE 9 - BRUNSWICK STEAM  
ELECTRIC PLANT, UNIT 2 (TAC M82250)

The staff has reviewed your November 20, 1991, submittal regarding the results of the inspections of piping susceptible to intergranular stress corrosion cracking (IGSCC) in accordance with Generic Letter (GL) 38-01 and NUREG-0313, Revision 2 for the Brunswick Steam Electric Plant (BSEP), Unit 2. The staff reviewed these results to determine whether any new cracks were found or whether any crack growth had occurred in Category E welds that would warrant applying the sample expansion criteria of GL 88-01.

Among the thirty welds that were inspected with the GE "SMART 2000" system during the ninth refueling outage, twenty-nine of the welds showed no new indications, nor growth in earlier-noted indications with IGSCC characteristics. One weld, 2B32RECIRC-28B3, classified as Category E by GL 88-01, showed four indications not reported the last time this weld was examined.

In your submittal, you did not consider the indications new. Three of the four were reported and recorded in the 1986 examination when the weld had only a leak barrier overlay. The fourth had been recorded also, but interpreted as a geometric effect. After the leak barrier overlay was built up to a standard overlay in 1988, the indication became more visible to ultrasonic testing.

The staff, having reviewed the data, agrees that there do not appear to be any new cracks or crack growth that would warrant sample expansion. However, you should include this weld among those inspected during the next refueling outage, as intended, to insure cracks are not growing into the upper 25 percent of the base metal.

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Mr. R. A. Watson

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The reporting and/or record keeping requirements contained in this letter affect fewer than 10 respondents; therefore, OMB clearance is not required under P. L. 95-511.

Sincerely,

Original signed by

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

cc: See next page

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ACRS (10)

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OFC	PDII-I/LA	PDII-I/PM	PDII-I	
NAME	PAnderson	NLe Tde	EAdensam	
DATE	4/15/92	4/15/92	4/15/92	

BRM82250.LTR

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Brunswick Steam Electric Plant  
Units 1 and 2

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