

Carolina Power & Light Company
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SERIAL: BSEP 95-0291

Roy A. Anderson
Vice President
Brunswick Nuclear Plant
910 457-2496

JUN 21 1995

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

BRUNSWICK STEAM ELECTRIC PLANT, UNIT NO. 1
DOCKET NO. 50-325 / LICENSE NO. DPR-71
NRC GENERIC LETTER 94-03, "INTERGRANULAR STRESS CORROSION CRACKING OF
CORE SHROUDS IN BOILING WATER REACTORS"

Gentlemen:

On July 25, 1994, the NRC staff issued NRC Generic Letter (GL) 94-03, "Intergranular Stress Corrosion Cracking of Core Shrouds in Boiling Water Reactors." This generic letter requested that each licensee: (1) inspect the core shrouds in their BWR plants no later than the next scheduled refueling outage, and perform an appropriate evaluation and/or repair based on the results of the inspection; and (2) perform a safety analysis supporting continued operation of the facility until inspections are conducted. Reporting Requirement 3 of NRC Generic Letter 94-03 requires licensees to provide the results of the inspections within 30 days of the completion of the inspections.

Enclosure 1 of this letter provides the inspection results and evaluation for Carolina Power & Light Company's Brunswick Steam Electric Plant, Unit 1, completed during the B110R1 refueling outage. The Core Shroud Reinspection Plan, Spring 1995 B110R1 Refueling Outage was discussed with the NRC staff during a January 17, 1995 meeting and submitted to the staff on February 10, 1995. The reinspection plan was revised by letter dated April 28, 1995.

The results of the inspections completed during the B110R1 refueling outage indicate that the crack growth experienced during the Unit 1, Cycle 9, was substantially less than postulated by previous analysis. The inspection results from B110R1 show that the existing condition is essentially unchanged from the condition identified during the B109R1 outage. Furthermore, the postulated crack lengths at the end of Cycles 10 and 11 are fully bounded by previous analyses and would not reduce the structural design margins below allowable values. Therefore, the condition of the core shroud does not impose restrictions to operation of Brunswick Unit 1 during the next two cycles.

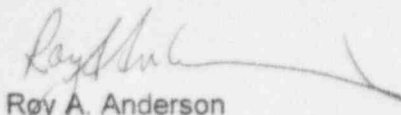
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Please refer any questions regarding this letter to Mr. R. P. Lopriore at (910) 457-2212.


Sincerely,


Roy A. Anderson

KAH/

Enclosure

Roy A. Anderson, having been first duly sworn, did depose and say that the information contained herein is true and correct to the best of his information, knowledge and belief; and the sources of his information are officers, employees, and agents of Carolina Power & Light Company.


Notary (Seal)

My commission expires:

My Commission Expires August 21, 1999

cc: Mr. S. D. Ebnetter, NRC Regional Administrator, Region II
Mr. C. A. Patterson, NRC Senior Resident Inspector - Brunswick Plant
Mr. D. C. Trimble, Jr., NRR Project Manager - Brunswick Plant
The Honorable H. Wells, Chairman - North Carolina Utilities Commission

ENCLOSURE 1

BRUNSWICK STEAM ELECTRIC PLANT, UNIT 1
NRC DOCKET NO. 50-325
OPERATING LICENSE NO. DPR-71

NRC GENERIC LETTER 94-03, "INTERGRANULAR STRESS CORROSION CRACKING OF
CORE SHROUDS IN BOILING WATER REACTORS"

UNIT 1 CORE SHROUD REINSPECTION RESULTS
B110R1 REFUELING OUTAGE

ESR 95-00765 - REVISION 2

UNIT 1 CORE SHROUD EVALUATION
BASED ON B110R1 INSPECTION RESULTS