



Carolina Power & Light Company
P.O. Box 10429
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January 23, 1998

SERIAL: BSEP 98-0015

U. S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, DC 20555

BRUNSWICK STEAM ELECTRIC PLANT, UNIT NO. 1
DOCKET NO. 50-325/LICENSE NO. DPR-71
CORE SHROUD RE-INSPECTION PLAN

Gentlemen:

The purpose of this letter is to provide to the NRC the plans for re-inspection of the core shroud for the Brunswick Steam Electric Plant (BSEP), Unit No. 1. The re-inspections are planned for the upcoming BSEP, Unit No. 1 Refueling Outage 11 (i.e., B112R1), which is presently scheduled to begin on April 25, 1998.

On July 25, 1994, the NRC issued Generic Letter 94-03, "Intergranular Stress Corrosion Cracking of Core Shrouds in Boiling Water Reactors." Generic Letter 94-03 requested that licensees submit plans for inspections of the core shroud at least 3 months prior to performing such inspections. Although the Generic Letter does not address re-inspection plans, Carolina Power & Light Company is submitting the BSEP, Unit No. 1 re-inspection plans using the Generic Letter as guidance.

Enclosure 1 of this letter provides the BSEP, Unit No. 1 re-inspection scope and associated bases. As discussed in the enclosed re-inspection plan, preliminary analysis has concluded that weld H1 has sufficient structural margin to operate for multiple cycles before re-inspection is necessary. Therefore, no inspections of weld H1 are planned for BSEP, Unit No. 1 Refueling Outage 11. Section 3.3 of BWRVIP-01, "BWR Core Shroud Inspection and Flaw Evaluation Guideline, Revision 2" states that plant-specific engineering evaluations should be submitted to the NRC for approval for welds where the minimum required inspection length (i.e., l_{min}) cannot be demonstrated and detailed analyses must be performed to assess structural integrity. Accordingly, by February 27, 1998, CP&L will submit an analysis that demonstrates weld H1 has sufficient structural margin to operate for multiple cycles before re-inspection is necessary. The results of the BSEP, Unit No. 1 Refueling Outage 11 re-inspections will be submitted to the NRC within 30 days following completion of the inspections.

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Please refer any questions regarding this submittal to Mr. Warren J. Dorman, Supervisor - Licensing, at (910) 457-2068.

Sincerely,

A handwritten signature in dark ink, appearing to read "Keith R. Jury". The signature is fluid and cursive, with the first name "Keith" being more prominent.

Keith R. Jury
Manager - Regulatory Affairs
Brunswick Steam Electric Plant

WRM/wrm

Enclosure:

1. Core Shroud Inspection Plan Unit 1 B112R1 Outage April 1998
2. List of Regulatory Commitments

cc (with enclosure):

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ATTN: Mr. Luis A. Reyes, Regional Administrator
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U. S. Nuclear Regulatory Commission
ATTN: Mr. Charles A. Patterson, NRC Senior Resident Inspector
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The Honorable Jo A. Sanford
Chairman - North Carolina Utilities Commission
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