

Carolina Power & Light Company
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William R. Campbell
Vice President
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SERIAL: BSEP 95-0668

FEB 13 1996

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

BRUNSWICK STEAM ELECTRIC PLANT, UNIT NOS. 1 AND 2
DOCKET NOS. 50-325 & 50-324/LICENSE NOS. DPR-71 & DPR-62
CONFIRMATORY TESTING RESPONSE FOR NRC BULLETIN 95-02, "UNEXPECTED
CLOGGING OF RESIDUAL HEAT REMOVAL (RHR) PUMP STRAINER WHILE OPERATING IN
SUPPRESSION POOL COOLING MODE"

Gentlemen:

On October 17, 1995, the NRC issued Bulletin 95-02, "Unexpected Clogging of Residual Heat Removal (RHR) Pump Strainer While Operating in Suppression Pool Cooling Mode." The NRC requested that within 10 days of completion of confirmatory tests or inspections, a report be submitted confirming the completion of pump operability testing with a description of the test/inspection results. Enclosure 1 provides the results of confirmatory testing that was performed as outlined in CP&L's November 15, 1995, 30-day response to NRC Bulletin 95-02 (Serial: BSEP 95-0569).

Please refer any questions regarding this letter to Mr. George Honma at (910) 457-2741.

Sincerely,

William R. Campbell

GMT/gmt

Enclosures:

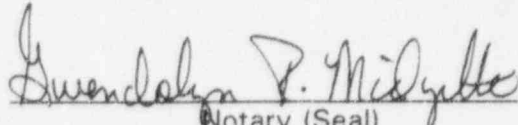
1. Confirmatory Testing Response to NRC Bulletin 95-02
2. List of Regulatory Commitments

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JEH

William R. Campbell, 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: 8/12/96

cc: Mr. S. D. Ebner, 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, UNITS 1 AND 2 NRC DOCKET NOS. 50-325 & 50-324 OPERATING LICENSE NOS. DPR-71 & DPR-62

CONFIRMATORY TESTING RESPONSE FOR NRC BULLETIN 95-02, "UNEXPECTED CLOGGING OF RESIDUAL HEAT REMOVAL (RHR) PUMP STRAINER WHILE OPERATING IN SUPPRESSION POOL COOLING MODE"

CP&L's Brunswick Steam Electric Plant (BSEP), Unit Nos. 1 and 2 has completed confirmatory testing as outlined in CP&L's November 15, 1995, 30-day response to NRC Bulletin 95-02 (Serial: BSEP 95-0569).

NRC Required Response (2)

Submit "... within 10 days of the completion of confirmatory tests and inspections or completion of proposed alternative actions, a second report confirming the completion of all pump operability testing and inspection and providing a description of the test/inspection results."

CP&L Response

Confirmatory testing was performed as outlined in CP&L's November 15, 1995, 30-day response to NRC Bulletin 95-02. The testing monitored the Residual Heat Removal System (RHR) B loop suction pressure, using temporary test gauges, over the duration of the tests. The test consisted of a short dual-loop RHR Suppression Pool Cooling (SPC) mode run (to maximize mixing) followed by switching to single loop SPC operation for at least 6 hours (equating to 4.5 suppression pool volume exchanges).

The strainer performance testing on Unit 1 was completed on December 20, 1995, and indicated no reduction in suction pressure for the duration of the test. The Unit 2 testing performed on December 27, 1995, resulted in a gradual, but minimal decrease in suction pressure. The rate of suction pressure decrease was such that any additional pump run time, beyond the 7 hours already run, would not have resulted in any significant change in suction pressure.

The Unit 2 results indicated that the pool may contain some limited amounts of debris/corrosion products. Divers performed a visual inspection of the Unit 2 suppression pool suction strainers on February 4, 1996, and found no significant fibrous material. The only fibers visible to the divers were on the 2A RHR suction strainer and consisted of trace amounts less than 1/2 inch in length by 1/64 inch in diameter.

On the top half of the 2B RHR and Reactor Core Isolation Cooling (RCIC) suction strainers approximately 75 paint chips (1/8" X 1/8") were noted, but there was no indication of the paint chips covering the holes of the strainers. Inspection of the torus liner coating found the half recoated during the last outage to be intact and in good condition. As discussed in the November 15, 1995, submittal (Serial: BSEP 95-0569), the remaining half of the suppression pool liner immersion zone is being recoated during the current refueling outage.

The data gathered confirm our position that the suppression pool, as well as the Emergency Core Cooling System (ECCS) strainers and their associated systems are operable for both Units.

ENCLOSURE 2

BRUNSWICK STEAM ELECTRIC PLANT, UNITS 1 AND 2

NRC DOCKET NOS. 50-325 & 50-324

OPERATING LICENSE NOS. DPR-71 & DPR-62

CONFIRMATORY TESTING RESPONSE FOR NRC BULLETIN 95-02, "UNEXPECTED
CLOGGING OF RESIDUAL HEAT REMOVAL (RHR) PUMP STRAINER WHILE OPERATING IN
SUPPRESSION POOL COOLING MODE"

LIST OF REGULATORY COMMITMENTS

The following table identifies those actions committed to by Carolina Power & Light Company in this document. Any other actions discussed in the submittal represent intended or planned actions by Carolina Power & Light Company. They are described to the NRC for the NRC's information and are not regulatory commitments. Please notify the Manager-Regulatory Affairs at the Brunswick Nuclear Plant of any questions regarding this document or any associated regulatory commitments.

Commitment	Committed date or outage
None	N/A