



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D.C. 20555-0001

February 16, 1994

Docket Nos. 50-325  
and 50-324

Mr. R. A. Anderson  
Vice President  
Brunswick Nuclear Project  
Carolina Power & Light Company  
Post Office Box 10429  
Southport, North Carolina 28461

Dear Mr. Anderson:

SUBJECT: RESPONSE TO NRC BULLETIN 93-03, "RESOLUTION OF ISSUES RELATED TO REACTOR VESSEL WATER LEVEL INSTRUMENTATION IN BWRs" - BRUNSWICK STEAM ELECTRIC PLANT UNITS 1 AND 2 (TAC NOS. M86885 AND M86886)

We acknowledge receipt of your responses to NRC Bulletin (NRCB) 93-03, dated July 21, 1993, and January 26, 1994. The NRCB was issued May 28, 1993, to all holders of operating licenses or construction permits for boiling water reactors (BWRs) with the exception of Millstone 1 and Big Rock Point. The NRCB requested licensees to take short-term compensatory measures within 15 days of the NRCB to ensure operators can identify and mitigate potential level errors. The NRCB also requested licensees to implement hardware modifications at the first cold shutdown after July 30, 1993, to ensure the level instrumentation system design is of high functional reliability for long-term operation.

Your letter of July 21, 1993, stated that you (1) have implemented appropriate short-term compensatory measures; (2) were going to install a continuous backfill system capable of purging the reactor water level instrumentation reference legs on a schedule consistent with NRCB 93-03; (3) determined that the modification does not involve an unreviewed safety question; and (4) will implement the change under 10 CFR 50.59. In your January 26, 1994, letter, you informed the NRC that the proposed hardware modification designed to satisfy this bulletin was installed on the Brunswick Steam Electric Plant (BSEP), Unit 1, during the recently completed outage. Testing of the modification will be conducted during the BSEP, Unit 1, power ascension. You also stated that the hardware installation on BSEP, Unit 2, will occur during the B211R1 refueling outage scheduled to begin in March 1994.

Based on the information provided in your July 21, 1993, and January 26, 1994, letters, we consider your response to NRCB 93-03 acceptable. Please retain records related to the actions taken in response to this NRCB for possible future inspection by the NRC staff.

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February 16, 1994

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This completes the licensing action for TAC Nos. M86885 and M86886. As stated in NRCB 93-03, you are required to submit a report within 30 days of completion of the BSEP, Unit 2, hardware modification confirming that the modification was implemented.

On November 26, 1993, the NRC staff issued NRC Information Notice (IN) 93-89, "Potential Problems With BWR Level Instrumentation Backfill Modifications." The staff is still reviewing the concerns identified in this IN, and any possible actions will be addressed separately from this task activity.

Sincerely,

Original Signed by:  
Patrick D. Milano, Sr. 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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Sincerely,

A handwritten signature in black ink, appearing to read "Patrick D. Milano", with a horizontal line extending to the right.

Patrick D. Milano, Sr. 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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