

February 15, 1994

Mr. R. A. Anderson  
Vice President  
Brunswick Nuclear Project  
Post Office Box 10425  
Southport, North Carolina 28461

Dear Mr. Anderson:

SUBJECT: REGULATORY GUIDE 1.97 - BOILING WATER REACTOR NEUTRON FLUX  
MONITORING - BRUNSWICK STEAM ELECTRIC PLANT, UNITS 1 AND 2  
(TAC NOS. M75987 AND M75988)

Section 6.2 of Generic Letter 82-33, "Supplement No. 1 to NUREG-0737 - Requirements for Emergency Response Capability," requested applicants and licensees to provide a report on their implementation of Regulatory Guide (RG) 1.97. The BWR Owners' Group responded by submitting NEDO-31558, "Position on NRC Regulatory Guide 1.97, Revision 3, Requirements for Post-Accident Neutron Monitoring System," which proposed alternative criteria for neutron flux monitoring instrumentation in lieu of the Category 1 criteria stated in the RG. In the Safety Evaluation dated January 13, 1993, the staff concluded that the criteria of NEDO-31558 was acceptable.

By letter dated April 7, 1993, the staff requested you to review the Brunswick Steam Electric Plant, Units 1 and 2, (BSEP) neutron flux monitoring instrumentation against the criteria of NEDO-31558, and document the results of your review. Your letters of June 14, 1993, and August 30, 1993, provide the results of your review.

The staff has completed its review of your submittals and has determined the deviations from NEDO-31558 specified in your submittals are acceptable. Therefore, the post-accident neutron flux monitoring instrumentation at the BSEP is an acceptable alternative to the guidance in RG 1.97.

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

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cc: See next page

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

February 15, 1994

Docket Nos. 50-325  
and 50-324

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

Dear Mr. Anderson:

SUBJECT: REGULATORY GUIDE 1.97 - BOILING WATER REACTOR NEUTRON FLUX  
MONITORING - BRUNSWICK STEAM ELECTRIC PLANT, UNITS 1 AND 2  
(TAC NOS. M75987 AND M75988)

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The staff has completed its review of your submittals and has determined the deviations from NEDO-31558 specified in your submittals are acceptable. Therefore, the post-accident neutron flux monitoring instrumentation at the BSEP is an acceptable alternative to the guidance in RG 1.97.

Sincerely,

A handwritten signature in cursive script, appearing to read "Patrick D. Milano, Sr.", written in dark ink.

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

Mr. R. A. Anderson  
Carolina Power & Light Company

Brunswick Steam Electric Plant  
Units 1 and 2

cc:

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