

CP&L

Carolina Power & Light Company

December 17, 1981

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Office of Nuclear Reactor Regulation
ATTN: Mr. T. A. Ippolito, Chief
Operating Reactors Branch No. 2
United States Nuclear Regulatory Commission
Washington, D.C. 20555

BRUNSWICK STEAM ELECTRIC PLANT, UNIT NOS. 1 AND 2
DOCKET NOS. 50-325 AND 50-324
LICENSE NOS. DPR-71 AND DPR-62
BWR FEEDWATER AND CRD RETURN LINE NOZZLE CRACKING



Dear Mr. Ippolito:

SUMMARY

Carolina Power & Light Company (CP&L) has received your November 2, 1981 letter which requested additional information for the Brunswick Steam Electric Plant Unit Nos. 1 and 2 regarding the feedwater and CRD return line nozzle cracking issue. Your letter was in response to CP&L's October 7, 1981 letter. Our responses are provided below:

DISCUSSION

In your November 2 letter, you requested clarification of Item 3, "Modifications to the Control Rod Drive (CRD) System." CP&L intends to cut and cap the 3" CRD return line without rerouting. Since it is our intent to replace the carbon steel pipe in the flow stabilizer loop with stainless steel and reroute directly to the cooling water header, flush ports at high and low points of the normal drive movement exhaust water header will not be installed.

Furthermore, the request in our October 7, 1981 letter to perform a liquid penetrant (L.P.) test on only the accessible blend radius surfaces of the Unit No. 2 feedwater nozzles was intended for the next refueling (1982) only. This request is based on the facts that the current Brunswick Unit No. 2 feedwater thermal sleeves are extremely tight fitting as evidenced by attempted removal in 1979, and that no cracks were discovered by liquid penetrant examination. Removal of the spargers will result in increased clearances, allowing more bypass leakage. Based on this operating history, ALARA considerations, and the fact that the spargers will be replaced in 1983, CP&L believes that the request to perform an L.P. of the accessible areas only on a one-time basis is a valid one and warrants your careful consideration.

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We agree at this time with your assessment that there is not enough field experience with the new spargers/thermal sleeves to allow any waiver of the inspection intervals or techniques given in NUREG-0619. As stated in our letter of October 7, 1981, Carolina Power & Light Company intends to perform the Unit No. 2 feedwater clad removal/sparger replacement modification during the 1983 refueling outage. Adherence to the NUREG-0619 Table 2 Inspection Requirements (i.e., every nine refueling cycles or 135 start-up/shutdown cycles) will begin at that time.

Should you have any questions concerning the above information, please contact my staff.

Yours very truly,



L. W. Eury
Senior Vice President
Power Supply

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