

SAFETY EVALUATION REPORT
BRUNSWICK UNITS 1 & 2
RECIRCULATION INLET NOZZLE SAFE END
INSPECTION PROGRAM

ENGINEERING BRANCH
DIVISION OF OPERATING REACTORS

1.0 INTRODUCTION

Carolina Power and Light Company performed UT inspections, in September 1978, on the recirculation inlet nozzle safe ends at Brunswick Units 1 and 2. These inspections were performed as a result of the cracks found at the Duane Arnold Plant which had a similar recirculation inlet nozzle safe end design. Additional UT examinations on both units were performed in 1979 to determine if any change had occurred since the 1978 inspections. The results of these inspections were reviewed to determine if any change had occurred in the interval between the inspections.

2.0 EVALUATION

The enclosed Technical Evaluation Report was prepared by the Contractor, Franklin Research Center, as part of NRC contract No. NRC-03-79-118.

3.0 CONCLUSION

After the review of the Contractor's Technical Evaluation Report, we agree with their findings that no significant change in the ultrasonic response was detected in the 1979 inspections and that if flaws were present, no significant growth had occurred. Therefore, we conclude the Brunswick Units 1 & 2 recirculation inlet nozzle safe ends are acceptable for continued operation. However, the Licensee should implement an inspection program to continue monitoring the safe ends.

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