

November 2, 1982

PRELIMINARY NOTIFICATION OF EVENT OR UNUSUAL OCCURRENCE PNO-II-82-121

This preliminary notification constitutes EARLY notice of events of POSSIBLE safety or public interest significance. The information is as initially received without verification or evaluation, and is basically all that is known by the Region II staff on this date.

FACILITY: Carolina Power & Light Company
Brunswick Unit 2
Docket No. 50-324
Southport, North Carolina

Licensee Emergency Classification:
 Notification of Unusual Event
 Alert
 Site Area Emergency
 General Emergency
 X Not Applicable

SUBJECT: REACTOR COOLANT PIPE WELD CRACKS

On October 29, the licensee informed Region II that, while performing a routine inspection of the drywell, a crack was identified in a weld on the carbon steel portion of the shutdown cooling suction line. The crack was located on the weld between a manual isolation valve and the downstream elbow. The circumferential crack is approximately five inches long on the inside diameter of the weld, narrowing to one-quarter inch in length at the outside diameter.

A radiograph of the affected weld shows no other indications. A visual inspection of adjacent welds shows no abnormal indications.

A sample of the defect is being sent to the licensee's metallurgical laboratory for further analysis. Evaluations are in progress to ensure that the failure mechanism is identified and that adequate corrective action is achieved.

The unit was being taken to cold shutdown for a preplanned maintenance outage when the crack was identified.

A Region II metallurgical inspector is onsite to monitor the licensee's evaluation and corrective action.

Region II is keeping appropriate IE and NRR personnel fully informed.

Media interest is not expected. Neither the licensee nor the NRC plans to issue a news release.

The State of North Carolina has been informed.

Region II (Atlanta) received notification of this occurrence by telephone from the Headquarters Duty officer at 5:31 p.m. (EDT) on October 29.

This information is current as of 3 p.m. (EST) on November 2.

Contact: C. W. Hehl, RII 242-5353; D. M. Verrelli, RII 242-5581

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