

November 6, 1984

PRELIMINARY NOTIFICATION OF EVENT OR UNUSUAL OCCURRENCE PNO-II-84-84

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 and Light Company
Brunswick Unit 1
Docket No. 50-325
Southport, North Carolina

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

SUBJECT: CRACK INDICATIONS IN RECIRCULATION SYSTEM

Indications of four cracks have been detected in the "A" loop of the recirculation system 12-inch jet pump risers of Brunswick Unit 1. They were found during inspections for intergranular stress corrosion cracking, performed in accordance with Generic Letter 84-11. The unit has been shut down since October 29 for these inspections and other maintenance.

All the cracks are circumferential and have the following characteristics:

- One crack one inch long and 45 percent through the wall.
- One crack two inches long and 20 percent through the wall.
- One crack 1.62 inches long and 19 percent through the wall.
- One crack five inches long and 23 percent through the wall.

Carolina Power and Light (CP&L) plans to repair these cracks by weld overlay. Region II is following the inspection and progress of the repairs.

Brunswick Unit 2 is resuming operations today after being shut down for refueling and maintenance.

Media interest has not occurred. CP&L does not plan a news release, but is prepared to respond to inquiries. Region II does not plan a news release.

The State of North Carolina has been informed.

Region II (Atlanta) received notification of this occurrence by telephone from the licensee at 3:00 p.m. (EST) yesterday.

This information is current as of 10:30 a.m. today.

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PNO-II-84-084 PDR

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