

October 12, 1982

PRELIMINARY NOTIFICATION OF EVENT OR UNUSUAL OCCURRENCE PNO-II-82-109

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
 Not Applicable

SUBJECT: SHUTDOWN IN EXCESS OF 48 HOURS

The licensee began an orderly shutdown of the reactor at 6 p.m. on October 10 after finding a steam and water leak of 20 to 40 gallons per minute in a cracked weld of a non-safety-related heater drain pipe, while the unit was at 60 percent power.

When the unit reached 17 percent power, the licensee, preparing to separate the Unit 2 generator from the grid, determined that bus 2-D could not be manually transferred from the generator to the start-up transformer. An unsuccessful attempt to initiate an automatic transfer resulted in a loss of power to emergency bus E-3. Diesel generator No. 3, which had been started before this automatic transfer attempt, failed to energize bus E-3.

No emergency core cooling system challenges occurred. The high pressure cooling injection system was manually started to control level, depressurize and cool down. An unusual event was declared at 9:10 p.m., in accordance with plant emergency procedures, and was ended at 9:54 p.m. when power was returned to emergency bus E-3.

The unit is being maintained in cold shutdown pending repair of the heater drain pipe leak. The licensee determined that the failure to transfer loads to the start-up transformer resulted from a failed breaker charging motor. The diesel generator did not automatically pick up the required load because its control switch was in the manual position.

Media interest is not expected. The licensee does not plan a news release, but is prepared to respond to media inquiries. The NRC does not plan a news release.

The State of North Carolina has been informed.

The NRC Incident Response Center was informed of this occurrence at 9:12 p.m. on October 10.

This information is current as of 1 p.m. on October 12.

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PDR I&E
PNO-II-82-109 PDR

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