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 CHAMBERS,R.H. Carolina Power & Light Co.
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SUBJECT: Special rept:on 920822,loss of offsite power occurred due to
 a trip of Startup Transformer.Caused by short circuit in
 sudden pressure fault protective relay sensing circuitry.
 Repairs to Startup Transformer completed.

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Carolina Power & Light Company

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SEP 2 1 1992

Robinson File No.: 13510H

Serial: RNP/92-2516

United States Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, D. C. 20555

H. B. ROBINSON STEAM ELECTRIC PLANT, UNIT NO. 2
DOCKET NO. 50-261
LICENSE NO. DPR-23
SPECIAL REPORT REGARDING REACTOR COOLANT PUMP INOPERABILITY

Gentlemen:

Carolina Power and Light Company hereby provides this Special Report in accordance with the action statement provided by Technical Specifications 3.1.1.1. This TS requires that at least one Reactor Coolant Pump or Residual Heat Removal Pump be in operation when $T_{avg} > 200^{\circ}\text{F}$ and Reactor power is less than 2% of rated thermal power. The action statement for this specification requires that, in the event this condition cannot be satisfied, restore at least one Reactor Coolant Pump to operation within one hour, or prepare and submit a Special Report to the NRC within 30 days.

On Saturday, August 22, 1992, H. B. Robinson Unit No. 2 was operating at 100% power. At 1007 hours a loss of offsite power occurred due to a trip of the Startup Transformer. The loss of the Startup Transformer caused a loss of Emergency Bus E-2 and Instrument Bus 4, causing a Turbine runback. At 1009 hours, a high level in "A" Steam Generator caused a Turbine trip and a subsequent Reactor trip. At 1010 hours the Auxiliary Transformer tried to shed its load to the Startup Transformer as designed, and a loss of E-1 resulted. Due to the loss of off site power (115 and 230KV) with a loss of onsite power (Reactor trip), power supplies to all three Reactor Coolant Pumps (4160 Buses 1, 2, and 4) were lost. At 1012 hours the Emergency Operating Procedures network was entered and immediate actions were begun for response to the Reactor trip. In accordance with the Emergency Plan, an Unusual Event was declared at 1025 hours due to loss of offsite power. The plant was stabilized and repairs were initiated on the Startup Transformer.

The Startup Transformer trip was caused by a short circuit in the sudden pressure fault protective relay sensing circuitry. During the event, the plant response performed as expected.

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There was no threat to public safety since both Emergency Diesel Generators started as required and provided power to the Emergency Busses. Repairs to the Startup Transformer were completed and normal power was restored to the Emergency Busses at 0050 hours on Sunday, August 23, 1992. The Unusual Event was terminated at 0124 hours.

Licensee Event Report LER 92-017 describes this event in detail. Should you have any further questions concerning this matter, please call Mr. J. L. Harrison at (803) 383-1433.

Very truly yours,



R. H. Chambers
General Manager

H. B. Robinson S. E. Plant

RDC:sgk

Enclosure

cc: Mr. S. D. Ebnetter
Mr. L. W. Garner
INPO