

# Carolina Power & Light Company

Raleigh, North Carolina 27602

June 9, 1972



Mr. Edward J. Bloch, Director  
Directorate of Licensing  
U. S. Atomic Energy Commission  
Washington, D. C. 50545

50-261

H. B. ROBINSON UNIT NO. 2

LICENSE DPR-23

PRIMARY TO SECONDARY LEAK IN "A" STEAM GENERATOR

Dear Mr. Bloch:

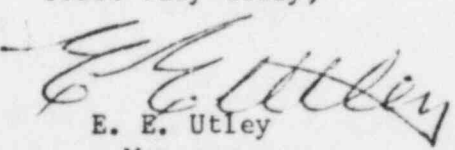
In accordance with paragraph 6.6.1 C., Technical Specifications, it is reported that a primary to secondary leak was determined to exist in the "A" steam generator. While performing a plant startup on May 14, 1972, after a week's scheduled outage, an abnormal leak rate was observed. The leak of approximately 12 gpm was confirmed to be in "A" steam generator by an increase in water level and an increase in the count rate on the radiation monitor, R-19, located in the steam generator blowdown flow path. The plant was returned to a cold shutdown condition for steam generator inspection and repairs.

When primary side of "A" steam generator was opened, a tube leak was confirmed. Subsequent evaluation of the incident and eddy current inspection of selected tubes indicated that steam generator tubes on all three steam generators had been attacked. As a result thirty tubes were plugged in "A" steam generator, two in "B", and four in "C". Under the technical direction of Westinghouse, several modifications to improve the recirculation rate in the secondary side of the steam generators were made. Additionally, Westinghouse recommended modifications in the secondary water chemistry to increase the phosphate concentration.

A complete report covering this incident, including an evaluation of the cause and the corrective action taken, is in preparation and will be forwarded in the near future.

The unit was returned to service on June 9, 1972.

Yours very truly,

  
E. E. Utley

Manager

Bulk Power Supply

NBB/rbl

cc: Mr. C. D. Barham  
Mr. G. P. Beatty  
Mr. N. B. Bessac

50-261  
Incident

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