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ACCESSION NBR:8409170303 DOC.DATE: 84/09/12 NOTARIZED: YES DOCKET #  
 FACIL:50-261 H. B. Robinson Plant, Unit 2, Carolina Power and Ligh 05000261  
 AUTH.NAME AUTHOR AFFILIATION  
 CUTTER,A.B. Carolina Power & Light Co.  
 RECIP.NAME RECIPIENT AFFILIATION  
 VARGA,S.A. Operating Reactors Branch 1

SUBJECT: Application for amend to License DPR-23, revising Tech Specs  
 to raise min temp requirement for pressurizing secondary  
 side of steam generator above 200 psig Fee paid.

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Carolina Power & Light Company

SERIAL: NLS-84-353

SEP 12 1984

Director of Nuclear Reactor Regulation  
Attention: Mr. Steven A. Varga, Chief  
Operating Reactors Branch No. 1  
Division of Licensing  
United States Nuclear Regulatory Commission  
Washington, DC 20555

H. B. ROBINSON STEAM ELECTRIC PLANT, UNIT NO. 2  
DOCKET NO. 50-261/LICENSE NO. DPR-23  
REQUEST FOR LICENSE AMENDMENT  
STEAM GENERATOR PRESSURE/TEMPERATURE REQUIREMENT

Dear Mr. Varga:

SUMMARY

In accordance with the Code of Federal Regulations, Title 10, Parts 50.90 and 2.101, Carolina Power & Light Company (CP&L) hereby requests a revision to the Technical Specifications (TS) for the H. B. Robinson Steam Electric Plant Unit No. 2 (HBR2). This revision results from the replacement of the steam generators during the current outage.

DETAILS

The requested change to paragraph 3.1.2.2 (page 3.1-5) raises the minimum temperature requirement for pressurizing the secondary side of the steam generator (SG) above 200 psig. The pressurization temperature requirements for the SG correspond to the measured nil-ductility transition temperature (NDT) for the SG shell. The replacement steam generator lower assemblies (SGLA), installed during the current outage, use pressure boundary components with higher NDT values (60°F) than the original shell (10°F). Therefore, to provide adequate protection against non-ductile failure, the steam generator secondary side pressurization temperature must be increased to reflect the SG's higher NDT values. As a result, this change does not revise the original design basis, and it preserves the required safety margin.

SIGNIFICANT HAZARDS DETERMINATION

Carolina Power & Light Company has reviewed this request and has determined that the proposed TS revision involves no significant hazards considerations because the proposed change ensures that a commensurate margin of safety is maintained in the TS. This margin of safety is retained in that a 60°F buffer above the NDT for the SG shell material is maintained. The retention of this safety margin demonstrates that (1) a significant increase in the probability

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Mr. Steven A. Varga

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or consequences of an accident previously evaluated is not involved (2) the possibility of a new or different kind of accident from any accident previously evaluated is not created or (3) a significant reduction in a margin of safety is not involved.

ADMINISTRATIVE

In accordance with 10 CFR 170.12, a check in the amount of one hundred and fifty dollars (\$150) in payment of a license amendment application fee is attached.

The affected pages are attached for your use. Changes are denoted by a vertical bar in the right margin.

CP&L commits to adhere to this change through administrative controls pending NRC approval.

If you have any questions concerning this request, please contact Mr. Sherwood R. Zimmerman at (919) 836-6242.

Yours very truly,



A. B. Cutter - Vice President  
Nuclear Engineering & Licensing

ONH/pgp (4210NH)  
Attachments

cc: Mr. J. P. O'Reilly (NRC-RII)  
Mr. G. Requa (NRC)  
Resident Inspector (NRC-HBR)  
Mr. Heyward G. Shealy (SC)  
Attorney General (SC)

A. B. Cutter, having been first duly sworn, did depose and say that the information contained herein is true and correct to the best of his information, knowledge and belief; and the sources of his information are officers, employees, contractors, and agents of Carolina Power & Light Company.

My commission expires: 5/18/88



Notary (Seal)

