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SUBJECT: Responds to GL 95-07, "Pressure Locking & Thermal Binding  
Of Safety-Related Power Operated Gate Valves."

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**Carolina Power & Light Company**

Robinson Nuclear Plant  
3581 West Entrance Road  
Hartsville SC 29550

Robinson File No.: 13510I

Serial: RNP-RA/95-0185

OCT 16 1995

United States Nuclear Regulatory Commission  
ATTN: Document Control Desk  
Washington, DC 20555

H. B. ROBINSON STEAM ELECTRIC PLANT, UNIT NO. 2  
DOCKET NO. 50-261/LICENSE NO. DPR-23  
RESPONSE TO NRC GENERIC LETTER 95-07, "PRESSURE LOCKING AND  
THERMAL BINDING OF SAFETY-RELATED POWER-OPERATED GATE VALVES"

Gentlemen:

The response to NRC Generic Letter (GL) 95-07, "Pressure Locking and Thermal Binding of Safety-related Power-operated Gate Valves," dated August 17, 1995, issued in accordance with 10 CFR 50.54(f), is enclosed. In accordance with GL 95-07, this letter is our 60 day response, and is required to be submitted to the NRC by October 16, 1995.

Should you have any questions regarding this matter, please contact Mr. A. L. Garrou at (803) 857-1544.

Very truly yours,

A handwritten signature in black ink, appearing to read "R. M. Krich". The signature is written in a cursive style and is positioned above the printed name and title.

R. M. Krich  
Manager - Regulatory Affairs

Enclosures

c: Mr. S. D. Ebnetter, Regional Administrator, USNRC, Region II  
Ms. B. L. Mozafari, USNRC Project Manager, HBRSEP  
Mr. W. T. Orders, USNRC Senior Resident Inspector, HBRSEP

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Affidavit

**State of South Carolina**  
**County of Darlington**

C. S. Hinnant, having been first duly sworn, did depose and say that the information contained in letter RNP-RA/95-0185 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.

C. S. Hinnant

Sworn to and subscribed before me

this 16th day of October 1995

(Seal) Albert L. Carrou  
Notary Public for South Carolina

My commission expires: March 22, 2005

H. B. ROBINSON STEAM ELECTRIC PLANT, UNIT NO. 2  
RESPONSE TO NRC GENERIC LETTER 95-07, "PRESSURE LOCKING AND  
THERMAL BINDING OF SAFETY-RELATED POWER-OPERATED GATE VALVES"

The NRC issued Generic Letter (GL) 95-07, "Pressure Locking and Thermal Binding of Safety-Related Power-Operated Gate Valves," dated August 17, 1995, to request that addressees perform, or confirm that they previously performed, (1) evaluations of operational configurations of safety-related, power-operated (including motor-operated, air-operated, and hydraulically operated) gate valves for susceptibility to pressure locking and thermal binding and (2) further analyses, and any needed corrective actions, to ensure that safety-related power-operated gate valves that are susceptible to pressure locking or thermal binding are capable of performing the safety functions within the current licensing bases of the facility.

The GL requested that all addressees perform and complete the following two actions within 90 days of the date of the GL.

- (1) Perform a screening evaluation of the operational configurations of all safety-related power-operated (i.e., motor-operated, air-operated, and hydraulically operated) gate valves to identify those valves that are potentially susceptible to pressure locking or thermal binding; and
- (2) Document a basis for the operability of the potentially susceptible valves or, where operability cannot be supported, take actions in accordance with individual plant Technical Specifications.

The GL requested that all addressees perform the following two actions within 180 days of the date of the GL.

- (1) Evaluate the operational configurations of safety-related power-operated (i.e., motor-operated, air-operated, and hydraulically operated) gate valves in its plant to identify valves that are susceptible to pressure locking or thermal binding;
- (2) Perform further analyses as appropriate, and take needed corrective actions (or justify longer schedules), to ensure that the susceptible valves identified in 1 are capable of performing their intended safety function(s) under all modes of plant operation, including test configuration.

The GL required that, within 60 days from the date of the GL, addressees submit a written response indicating whether or not the addressee will implement the action(s) requested by the GL and, if the addressee intends to implement the requested action(s), a schedule for completing implementation be provided. The GL further required that a written response be provided within 180 days containing a summary description of the susceptibility evaluation of the operational configurations, including the bases or criteria for determining that valves are or are not susceptible to pressure locking or thermal binding, the results of the susceptibility evaluation, including a listing of the susceptible valves identified, and the corrective actions, or other dispositioning, for the valves identified as susceptible to pressure locking or thermal binding.

Response

H. B. Robinson Steam Electric Plant, Unit No. 2 intends to complete the requested actions within the requested time frame as stated in GL 95-07, and will notify the NRC within 180 days (i.e., by February 13, 1996) that the requested actions are complete.