

February 19, 1997

Mr. William R. McCollum  
Site Vice President  
Catawba Nuclear Station  
Duke Power Company  
4800 Concord Road  
York, South Carolina 29745-9635

SUBJECT: CATAWBA NUCLEAR STATION, UNITS 1 AND 2 - REQUEST FOR ADDITIONAL INFORMATION, GENERIC LETTER 95-07, "PRESSURE LOCKING AND THERMAL BINDING OF SAFETY-RELATED POWER-OPERATED GATE VALVES" (TAC NOS. M93446 AND M93447)

Dear Mr. McCollum:

On August 17, 1995, the NRC issued Generic Letter (GL) 95-07, "Pressure Locking and Thermal Binding of Safety-Related Power-Operated Gate Valves," to request that licensees take actions to ensure that safety-related power-operated gate valves that are susceptible to pressure locking or thermal binding are capable of performing their safety functions. You responded by letters dated February 13 and July 31, 1996. On January 23 and February 10, 1997, the staff discussed by phone details of your responses with your staff who indicated that some of your GL 95-07 commitments have changed. Your staff agreed to submit an additional response detailing these changes. This additional information, as discussed in the enclosure, is needed in order for the NRC staff to complete its review. Please respond within 45 days of the date of this letter.

Please contact me at 301-415-1451 if you have any questions regarding this request for additional information.

Sincerely,

Original signed by:

Peter S. Tam, Senior Project Manager  
Project Directorate II-2  
Division of Reactor Projects - I/II  
Office of Nuclear Reactor Regulation

Docket Nos. 50-413 and 50-414

Enclosure: Request for Additional Information

cc w/encl: See next page

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UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D.C. 20555-0001

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Sincerely,

A handwritten signature in dark ink, reading "Peter S. Tam".

Peter S. Tam, Senior Project Manager  
Project Directorate II-2  
Division of Reactor Projects - I/II  
Office of Nuclear Reactor Regulation

Docket Nos. 50-413 and 50-414

Enclosure: Request for Additional Information

cc w/encl: See next page

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cc:

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REQUEST FOR ADDITIONAL INFORMATION  
CATAWBA NUCLEAR STATION, UNITS 1 AND 2  
RESPONSE TO GENERIC LETTER 95-07  
"PRESSURE LOCKING AND THERMAL BINDING OF SAFETY-RELATED POWER-OPERATED  
GATE VALVES"

1. Your GL 95-07 response stated that analytical methods were used to demonstrate that valves 1,2 ND28A and 1,2 NI136B, RHR supply to charging system, 1,2 NS1B and 18A, containment spray pump containment sump suction, 1,2 NS38B and 43A, RHR containment spray header, 1,2 NV252A and 253B, charging pump suction, 1,2 NI121A and 152B, SI pump hot leg injection, and 1,2 NI009A and 10B, chemical and volume control pump cold leg injection isolation, could overcome pressure locking. During the telephone conversation on January 23, 1997, your staff stated that these valves would be modified to preclude pressure locking. Please confirm.
2. Your GL 95-07 response stated that valves 1,2 ND32A and 65B, RHR hot leg injection, were not evaluated for susceptibility to pressure locking or thermal binding because the current Updated Final Safety Analysis Report (UFSAR) licensing basis does not take credit for RHR hot leg recirculation. During the telephone conversation on February 10, 1997, your staff stated that these valves would be evaluated for susceptibility to pressure locking and thermal binding. Please confirm.
3. Your GL 95-07 response stated that valves 1,2 NS12B, 015B, 29A and 32A, containment spray headers isolation, are not exposed to pressure locking conditions. During the telephone conversation on January 23, 1997, your staff stated that procedures would be modified to cycle the valves following evolutions that could potentially pressurize the valves' bonnets. Please confirm.