June 12, 1986

Docket Nos. 50-321/366

Mr. J. T. Beckham, Jr.
Vice President - Nuclear Generation
Georgia Power Company
P.O. Box 4545
Atlanta, Georgia 30302

Dear Mr. Beckham:

We are reviewing the request to revise the Hatch Unit 1 and Unit 2 Technical Specifications to provide closure time requirements for scram discharge volume vent and drain valves as submitted by your letters of December 14, 1983 and supplemented or revised by letters dated December 20 and December 22, 1983, April 23 and June 14, 1984, September 13 and November 18, 1985 and January 6, 1986. In order to complete this review, we need the additional information described in the enclosure. You are requested to provide a written response, submitting the requested information, within 45 days of receipt of this letter.

The reporting and recordkeeping requirements of this letter affect fewer than ten respondents; therefore, OMB clearance is not required under P.L. 96-511.

Sincerely,

Original signed by/

George W. Rivenbark, Project Manager
BWR Project Directorate #2
Division of BWR Licensing

Enclosure:
Request for Additional
Information

cc w/enclosure:
See next page

Distribution:	Docket File	GRivenbark	NRC& LPDRs	EJordan
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cc:
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REQUEST FOR ADDITIONAL INFORMATION
BY THE OFFICE OF NUCLEAR REACTOR REGULATION
SCRAM DISCHARGE VOLUME VENT & DRAIN VALVE CLOSURES
HATCH UNITS 1 & 2
GEORGIA POWER COMPANY

1. Your letter of June 14, 1984 indicates that extensive modifications would be required to meet a 30 second closure time for the Scram Discharge Volume (SDV) vent and drain valves. Your letter of September 13, 1985 seems to indicate that the necessary plant modifications have been made. If they have been made, then we do not understand why you can't agree with the 30 second closure limit. If they have not been made, quantify your estimate of "extensive modifications": For example, approximate amount of additional piping, extent of modification labor (in man-hours or dollars), length of time for completing the modifications.

2. Your analysis of the valve closure times seems to be predicated on the assumption that the water level in the SDV during normal operation prior to a scram is zero, i.e., the volume does not contain water. However, considerations of drainage piping flow resistance due to friction, as well as a postulated single failure (such as a closed drain valve), could lead to a non-zero water level within the SDV. In view of the above, indicate the maximum potential water level that could accumulate within the SDV prior to a scram.

3. Your letter of November 18, 1985 provides stall flow measurements made over two full cycles of operation. This information was used as a basis for establishing a maximum post-LOCA CRD leakage. Provide justification that the stall flow value and hence your estimate of maximum post-LOCA CRD seal leakage will not be exceeded. Include a discussion of the error bounds of the data that relates the stall flow to post-LOCA flow.

4. The General Electric report "Relaxation of Scram Discharge Volume Vent and Drain Valve Closure Times" dated December 1984 and your letter of December 22, 1983 list the Unit 1 SDV capacity as 482 gallons. Your letter of January 6, 1986 lists SDV capacities of 549 gallons for Unit 1 and 636 gallons for Unit 2. Explain these differences and provide detailed information (e.g. calculations) that will permit verification of the "as built" volume of the SDV for each unit.