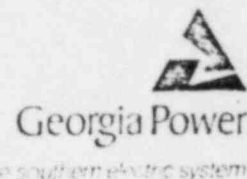


Georgia Power Company
230 Peachtree Street
Post Office Box 4545
Atlanta, Georgia 30303
Telephone 404 522-6060

Chas. F. Whitner
Vice President
Engineering



December 22, 1978

Director of Nuclear Reactor Regulation
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

NRC DOCKET 50-366
OPERATING LICENSE NPF-5
EDWIN I. HATCH NUCLEAR PLANT UNIT 2
MULTIPLE SUBSEQUENT SAFETY/RELIEF VALVE ACTUATION EVALUATION

Gentlemen:

The Nuclear Regulatory Commission's letter of March 22, 1978, requested Georgia Power Company to provide a plant unique assessment of the effects of multiple subsequent actuations of safety/relief valves (SRVs) following an isolation event for Plant Hatch Unit 2. A report entitled "Multiple Subsequent SRV Actuation Evaluation for E. I. Hatch Nuclear Plant Unit 2", transmitted to the NRC by our letter of July 27, 1978, contains a structural evaluation of the Plant Hatch Unit 2 Torus Support System (TSS).

As indicated in our July 27, 1978, letter, the structural evaluation contained in the (original) report was based on the results of an SRV discharge test performed at the Peach Bottom Nuclear Plant Unit 2. In October, 1978, several tests to determine a plant unique TSS response to SRV discharges were conducted at Plant Hatch Unit 2. Subsequently, the original report has been updated incorporating the preliminary data obtained during the SRV discharge tests. A report entitled "Multiple Subsequent Safety/Relief Valve Action Evaluation for E. I. Hatch Nuclear Plant Unit 2, Revision 1" included as an enclosure to this transmittal contains a structural evaluation of the Plant Hatch Unit 2 TSS, using the preliminary data (column loads and torus shell stresses for a single SRV "cold pop") from the Plant Hatch Unit 2 SRV discharge tests. The bases and conservatisms such as attenuation factors, number of valves undergoing "hot pop" simultaneously, "hot pop" factor, etc. used in this reevaluation are essentially the same as those that were used in the original report.

The results of our reevaluation, using the preliminary data from the tests, confirm the conclusions arrived at in the original report with regard

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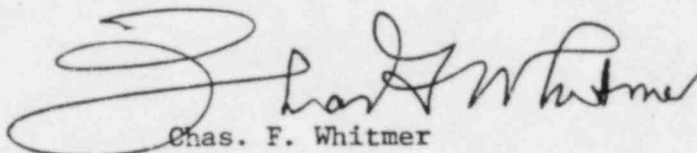
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Director of Nuclear Reactor Regulation
U. S. Nuclear Regulatory Commission
December 22, 1978
Page 2

to satisfying the acceptance criteria stated in your letter of March 22, 1978. Accordingly, it is the conclusion of Georgia Power Company that the Edwin I. Hatch Nuclear Plant Unit 2 can operate with an adequate safety margin without undue risk to the health and safety of the public.

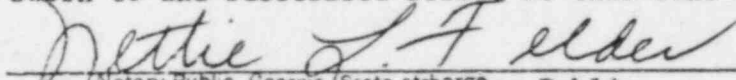
Yours very truly,


Chas. F. Whitmer

WEB/KRI/mb

Enclosure

Sworn to and subscribed before me this 22nd day of December, 1978.


Notary Public, Georgia, State at Large
My Commission Expires Sept. 29, 1981

xc: Ruble A. Thomas
George F. Trowbridge, Esquire