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Georgia Power

*the southern electric system*

NED-84-334

July 12, 1984

Director of Nuclear Reactor Regulation  
Attention: Mr. John F. Stolz, Chief  
Operating Reactors Branch No. 4  
Division of Licensing  
U. S. Nuclear Regulatory Commission  
Washington, D. C. 20555

NRC DOCKET 50-366  
OPERATING LICENSE NPF-5  
EDWIN I. HATCH NUCLEAR PLANT UNIT 2  
EQUIPMENT QUALIFICATION PROGRAM DEADLINE  
EXTENSION REQUEST FOR RHR ISOLATION VALVE ACTUATORS

Gentlemen:

On March 30, 1984, Georgia Power Company (GPC) submitted a report to the NRC (NED-84-161) which outlined the program for meeting the requirements of 10 CFR 50.49 at Plant Hatch. This report included a listing of equipment items at Hatch-2 (Enclosure 2, Table 2, Footnote A) which GPC believed might not be fully qualifiable by the regulatory deadline (second refueling outage after March 31, 1982). Included in this list were the new Limitorque SB-3-150 motorized operators purchased as environmentally qualified replacements for the motors on valves 2E11-F016A&B.

These new valve operators meet the qualification requirements of 10 CFR 50.49; however, they can not be installed at present since they would cause severe overstressing of the body flanges on the subject valves during a Design Basis Earthquake. All attempts to resolve this seismic problem using refined analysis techniques have been unsuccessful (see Attachment 2 for the analysis report). GPC has also determined that there is no other commercially available motorized operator which could meet the applicable performance specifications and the requirements of 10 CFR 50.49. Therefore, the only remaining course of action is replacement of the two affected valves.

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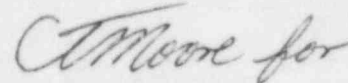
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NED-84-334  
July 12, 1984  
Page Two

GPC is expediting procurement of two new valves to replace the current ZELL-F016A&B valves which serve as outboard containment isolation on the two Residual Heat Removal System Containment Spray Lines. The items required are 16 inch, 300 lb., Class 2 globe valves. GPC has attempted to procure existing spare valves from other utilities and suppliers (including those listed in Attachment 1) without success. Currently, GPC estimates that the new valves could not be received at Plant Hatch before the end of 1984. This is well beyond the qualification deadline date (end of the current Hatch-2 refueling/pipe-replacement outage) which is currently projected to be near the end of July 1984.

Consequently, GPC hereby requests an exemption from the outage based deadline specified in 10 CFR 50.49(g) for the motorized operators on valves ZELL-F016A&B at Plant Hatch Unit 2. However, GPC will make every practicable attempt to meet the March 31, 1985, deadline date specified in that same regulation.

Sincerely yours,



L. T. Gicwa

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Enclosures

xc: J. T. Peckham, Jr.  
H. C. Nix, Jr.  
J. P. O'Reilly (NRC- Region II)  
Senior Resident Inspector

ATTACHMENT 1

NRC DOCKET 50-366  
OPERATING LICENSE NPF-5  
EDWIN I. HATCH NUCLEAR PLANT UNIT 2  
EQUIPMENT QUALIFICATION PROGRAM DEADLINE  
EXTENSION REQUEST FOR RHR ISOLATION VALVE ACTUATORS

Following unsuccessful attempts to obtain appropriate replacements for the 2E11-F016A&B valves from internal company sources, including the construction project for the Vogtle Nuclear Plant, GPC contacted the following utilities and valve suppliers:

Tennessee Valley Authority  
Union Electric Company  
Mississippi Power & Light Company  
Washington Public Power Supply System  
Philadelphia Electric Company  
Houston Lighting & Power Company  
Duke Power Company  
Southern California Edison  
Arizona Public Service Company  
Cincinnati Gas & Electric Company  
EQEX Corporation  
Valve Systems & Controls Company  
Borg-Warner Fluid Controls  
Aloyco Division - Walworth Company  
Anchor/Darling Valve Company  
Atwood & Morrill Company, Inc.

Only the last two companies on this list are able to supply valves which meet GPC's specifications. Neither of these firms is able to deliver the valves prior to the end of 1984.