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Georgia Power
the southern electric system

September 1, 1981

W. A. Widner
Vice President and General Manager
Fossil and Hydro Generation

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

NRC DOCKETS 50-321, 50-366
OPERATING LICENSES DPR-57, NPF-5
EDWIN I. HATCH NUCLEAR PLANT UNITS 1, 2
NUREG-0619 IMPLEMENTATION - SUPPLEMENTAL INFORMATION

Gentlemen:

Pursuant to your letter dated July 15, 1981, Georgia Power Company hereby submits the following information as a supplement to our January 22, 1981 letter regarding implementation of NUREG-0619, "BWR Feedwater Nozzle and Control Rod Drive Return Line Nozzle Cracking":

Feedwater

It has been determined that the existing feedwater low flow controllers for Hatch 1 and 2 do not meet the six characteristics specified in section 3.4.4.3 of General Electric (GE) report NEDE-21821-A. Although these present low flow controllers do not meet the characteristics as described in the GE Report as required by the NRC, they can be considered acceptable provided a plant-specific fracture mechanics analysis as described in NRC Generic Letter 81-11 is performed. Analysis of the Hatch 1 and 2 Feedwater nozzles will be performed by June 30, 1983 and the results reported to NRC in accordance with NUREG-0619 requirements.

Control Rod Drive

As noted in our January 22, 1981 response, the CRD return line on both units is capped at the RPV nozzle and the return line rerouted to RWCU. The return line is valved open thus maintaining continuous return flow to the RPV through RWCU. Therefore, the installation of pressure equalizing valves is not required.

The pressure control station required by section 8.1-(5) of the NUREG is installed on both units.

A system performance test was performed on Hatch 1 after capping and rerouting the CRD return line during the 1977 refueling outage. Post modification CRD system operability was adequately demonstrated.

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The CRD return line was capped and rerouted on Hatch 2 during plant construction. System operability and performance has been demonstrated during pre-op testing of the CRD system.

General Electric letter MFN-285-79, dated November 27, 1979, addressed minimum makeup flow required of the CRD system. There have not been any site tests conducted on either Hatch unit which would demonstrate the CRD system's ability to perform this makeup flow injection. Additional testing to demonstrate makeup flow capability of 135 gpm (minimum makeup flow to keep core covered) will be required to meet NUREG-0619 requirements. Georgia Power commits to performing the necessary flow tests during the next refueling outages currently scheduled for January 1982 for Hatch 2 and May 1982 for Hatch 1. Upon completion of these tests, Hatch 1 and 2 will be in full compliance with the CRD system-related portion of NUREG-0619.

If you have any questions in this regard, please contact my office.

W. A. Widner states that he is Vice President of Georgia Power Company and is authorized to execute this oath on behalf of Georgia Power Company, and that to the best of his knowledge and belief the facts set forth in this letter are true.

GEORGIA POWER COMPANY

By: W. A. Widner
W. A. Widner

Sworn to and subscribed before me this 1st day of September, 1981.

Mae H. Battle
Notary Public

Notary Public, Georgia, State at Large
My Commission Expires Sept. 20, 1983

JAE/mb

xc: M. Manry
R. F. Rogers, III