

JAN 21 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:

SUBJECT: FRACTURE MECHANICS ANALYSES, NUREG 0619
AND GENERIC LETTER 81-11 RESPONSE

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By letter dated September 19, 1984, Georgia Power Company (GPC) submitted fracture mechanics analyses, which are documented in GE Reports NEDE-30328 for Hatch Unit 1 and NEDC-30256 for Unit 2. These analyses were submitted in response to NUREG-0619 and Generic Letter 81-11. We have completed our review of this submittal. Our review is documented in the enclosed safety evaluations. We have concluded that, during the forty year life of Unit 1, the amount of fatigue crack growth in its reactor vessel feedwater nozzles should be less than one inch, and therefore the existing Unit 1 flow controller is in compliance with the requirements of NUREG-0619 as amended by Generic Letter 81-11 and is acceptable for continued use in Unit 1.

We have concluded that, during the forty year life of Unit 2, the amount of fatigue crack growth in its reactor vessel feedwater nozzles could be greater than one inch and therefore, we have concluded that the existing low flow controller is not in compliance with the requirements of NUREG-0619 as amended by Generic Letter 81-11. You are requested to provide, within the next six months, a schedule for replacement of the existing low flow feedwater controller or for submitting additional fracture mechanics analyses and/or inservice inspection results of the nozzles I. D. radii and bores, which indicate what crack growth will be less than one inch during the forty year life of the plant.

The reporting 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 Rivenbark, Project Manager
BWR Project Directorate #2
Division of BWR Licensing

Enclosures:

1. Safety Evaluation for Unit 1
2. Safety Evaluation for Unit 2

cc w/enclosures:
See next page

DBL:PD#2
SNorris:rc
01/17/86

DBL:PD#2
GRivenbark
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P PDR

Mr. J. T. Beckham, Jr.
Georgia Power Company

Edwin J. Hatch Nuclear Plant,
Units Nos. 1 and 2

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