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J. T. Beckham, Jr.  
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Georgia Power

*the southern electric system*

NED-84-415

September 5, 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  
REQUEST TO AMEND TECHNICAL SPECIFICATIONS

Gentlemen:

Georgia Power Company's (GPC) letter dated April 10, 1984 provided a description of the modifications planned to satisfy NUREG-0737 Item II.E.4.2(7), which requires that containment purge and vent valves close automatically on a high containment radiation signal. It was stated in the letter that revisions to Technical Specifications would be submitted following implementation of the modifications.

The modifications have recently been completed at Hatch Unit 2. In accordance with the provisions of 10 CFR 50.90 as required by 10 CFR 50.59(c)(1), GPC proposes to amend the Plant Hatch Unit 2 Technical Specifications (Appendix A to Operating License NPF-5) to reflect the implementation of Item II.E.4.2(7). The proposed change adds limiting conditions for operation, trip setpoints, and surveillance requirements for the monitors which provide the high radiation isolation signals to the containment purge and vent valves. The trip setpoint was calculated such that no accident would result in radiation doses at the site boundary exceeding the EPA Protection Action Guide limits of 1 Rem whole body and 5 Rem thyroid. The calculation was performed assuming a delay of 30 minutes from the time the setpoint is exceeded to the time of valve closure. Because of this significant margin, response time testing of the radiation monitors is not considered necessary and is not proposed.

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The proposed change has been reviewed and approved by the Plant Review Board and the Safety Review Board and has been determined not to constitute an unreviewed safety question. The probability of occurrence and the consequences of an accident or malfunction of equipment important to safety would not be increased above those analyzed in the FSAR because the change provides additional redundancy to previously existing containment isolation signals. The possibility of an accident or malfunction of a different type than any analyzed in the FSAR is not created by the change because no new failure mode is introduced. The margin of safety as defined in the basis for any Technical Specification is not reduced because the change results in an isolation signal which is more conservative than existing signals.

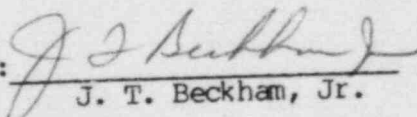
The proposed change has been determined not to involve significant hazards considerations as discussed in Enclosure 2.

Payment of the appropriate licensing fee is enclosed.

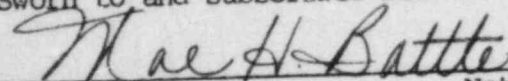
Pursuant to 10 CFR 50.91, J. L. Ledbetter of the Georgia Department of Natural Resources will be provided a copy of this submittal.

J. T. Beckham, Jr. 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:   
J. T. Beckham, Jr.

Sworn to and subscribed before me this 5th day of September, 1984.  
Notary Public, Georgia, State at Large  
My Commission Expires Sept. 18, 1987

  
Notary Public

JH/mb

Enclosure

xc: H. C. Nix, Jr.  
Senior Resident Inspector  
J. P. O'Reilly, (NRC-Region II)  
J. L. Ledbetter