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G. F. Head
Senior Vice President
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December 21, 1983

NED-83-139

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
TRAVERSING INCORE PROBE SYSTEM TECHNICAL SPECIFICATION CHANGE PROPOSAL

Gentlemen:

In accordance with the provisions of 10 CFR 50.90, Georgia Power Company (GPC) hereby proposes an amendment to the Edwin I. Hatch Unit 2 Technical Specifications (Appendix A to the Operating License). The proposed change would revise the Limiting Conditions for Operation (LCO) of the Traversing Incore Probe (TIP) System.

The proposed amendment would allow operation of the TIP system for up to 31 Effective Full Power Days (EFPD) with one or more system probes in an inoperable condition. This would increase the data input for monitoring of core thermal limits in the core regions where these probes continue to be operable. The present TIP system LCO actually prevents operation of properly functioning probes, which could be used to increase the accuracy for monitoring of various core thermal limit parameters.

The vendor for the TIP system, General Electric Co. (GE), has stated that the movable probes may be used to obtain flux readings up to six weeks after being normalized without a significant loss of accuracy based on the uncertainty analysis for the fuel power distribution limits. GPC's proposed change would only allow operation up to 31 EFPD before renormalization, resulting in only minimal reductions in system accuracy. In addition, this change would not affect the requirement for recalibration of Local Power Range Monitors (LPRM's), which is performed in accordance with Technical Specifications every 1000 effective full power hours, in as much as this operation cannot be performed unless all four detectors are fully operational.

The Plant Review Board and Safety Review Board have reviewed the proposed changes and concluded that they do not constitute an unreviewed safety question. The probability of occurrence or the consequences of

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an accident or malfunction of safety-related equipment would not be increased above those analyzed in the FSAR because this change would not involve a system important to safety. The possibility of an accident or malfunction of a different type than analyzed in the FSAR would not result from this change, because the extended use of the TIP system due to this change would not create any new mode of operation outside of that bounded by the FSAR analyses. The margin of safety as defined in the Technical Specifications would not be reduced by this change because this change would allow for an increase in input data for monitoring of core thermal limits while still maintaining an acceptable accuracy of the system output data.

Instructions for incorporation of these changes (Attachment 1), along with copies of affected Technical Specifications pages are enclosed.

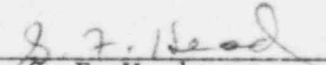
Included with this proposal is a determination of amendment class (Attachment 2). We have determined this to be one Class III amendment, and have enclosed the appropriate payment.

As required by 10 CFR 50.92, an individual significant hazards analysis is provided for each change to the Technical Specifications (Attachment 3).

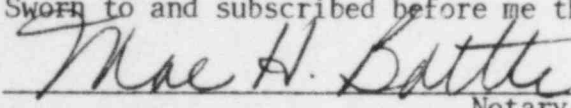
Pursuant to the requirements of 10 CFR 50.92, J. L. Ledbetter of the Georgia Department of Natural Resources will be sent a copy of this letter and all applicable attachments.

G. F. Head 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: 
G. F. Head

~~Swear~~ to and subscribed before me this 21st day of December, 1983.


Notary Public, Georgia, State at Large
My Commission Expires Sept. 18, 1987
Notary Public

CBS/mb

Enclosure

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