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J. T. Beckham, Jr.  
Vice President and General Manager  
Nuclear Operations



NED-85-578  
1995N

August 23, 1985

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 50-321  
OPERATING LICENSE DPR-57  
EDWIN I. HATCH NUCLEAR PLANT UNIT 1  
REQUEST TO REVISE TECHNICAL SPECIFICATIONS  
ADS LOGIC MODIFICATION

Gentlemen:

In accordance with the provisions of 10 CFR 50.90 as required by 10 CFR 50.59(c)(1), Georgia Power Company hereby proposes to revise the Hatch Unit 1 Technical Specifications, Appendix A to Operating License DPR-57.

The proposed change revises the Automatic Depressurization System (ADS) instrumentation section to reflect a planned logic modification.

Attachment 1 provides a detailed description of the proposed change and circumstances necessitating the change request.

Attachment 2 details the basis for our determination that the proposed change does not constitute an unreviewed safety question.

Attachment 3 details the basis for our determination that the proposed change does not involve significant hazards considerations.

Attachment 4 provides page change instructions for incorporating the proposed change.

The proposed changed Technical Specification pages follow Attachment 4.

Payment of filing fee is enclosed.

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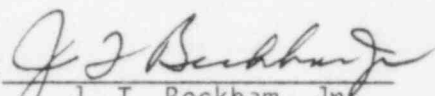
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Page Two

In order to allow time for procedure revision and orderly incorporation into copies of the Technical Specifications, we request that the proposed amendment, once approved by the NRC, be issued with an effective date to be no sooner than 30 days from the date of issuance of the amendment.

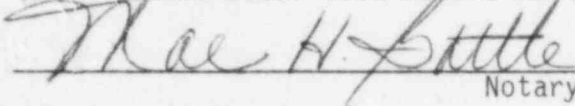
Pursuant to the requirements of 10 CFR 50.91, Mr. J. L. Ledbetter of the Environmental Protection Division of the Georgia Department of Natural Resources will be sent a copy of this letter and all applicable attachments.

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 23rd day of August, 1985.



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

Notary Public

JH/mb

Enclosure

xc: Mr. H. C. Nix, Jr.  
Senior Resident Inspector  
Dr. J. N. Grace, (NRC-Region II)  
Mr. J. L. Ledbetter

ENCLOSURE 1

NRC DOCKET 50-321  
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ADS LOGIC MODIFICATION

The proposed change will revise section 3/4.2.D, Instrumentation which Initiates or Controls ADS, to reflect a logic modification planned to satisfy the requirements of TMI Action Plan Item II.K.3.18. That item requires that ADS operation be extended to transient events or loss-of-coolant accidents which do not result in a release of steam to the drywell but which could require depressurization of the reactor pressure vessel to maintain adequate core cooling. The Hatch Unit 1 ADS logic will be modified such that the high drywell permissive in the current logic is bypassed after a sustained low reactor water level. The modification involves the addition of four "bypass" timers. Limiting conditions for operation and surveillance requirements for the bypass timers are added to the Technical Specifications by the proposed change.

The setting of the bypass timers is based on the avoidance of excessive fuel cladding heatup using approved Appendix K models. Details of the setpoint analysis are contained in the General Electric Company report AE-52-0484, "Bypass Timer Calculation for the ADS Modification for Hatch Units 1 and 2". A copy of that report was transmitted to NRC by our letter NED-85-125, dated March 18, 1985, to support a similar Technical Specification change proposal for Hatch Unit 2.

GPC committed in earlier correspondence (NED-83-398, dated July 28, 1983) to the installation of a manual ADS "inhibit" switch, the purpose of which was to prevent automatic depressurization during an anticipated transient without scram (ATWS). Installation of this switch is being reconsidered by GPC because it is not necessary to satisfy the criteria of Item II.K.3.18 and because GPC considers it essential to coordinate all ATWS modifications and procedure changes. This matter was discussed in a June 5, 1985 telephone conversation with NRC staff personnel in which GPC's position was approved.

ENCLOSURE 2

NRC DOCKET 50-321  
OPERATING LICENSE DPR-57  
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REQUEST TO REVISE TECHNICAL SPECIFICATIONS  
ADS LOGIC MODIFICATION

Pursuant to 10 CFR 50.59, the Plant Review Board and Safety Review Board have reviewed the attached proposed amendment to the Plant Hatch Unit 1 Technical Specifications and have determined that implementation of the proposed amendment does not constitute an unreviewed safety questions.

PROPOSED CHANGE

Add the ADS bypass timers to Tables 3.2-4 and 4.2-4.

BASIS

The probability of occurrence or the consequences of an accident or malfunction of equipment important to safety would not be increased above those analyzed in the FSAR because the ADS will respond to accidents and malfunctions analyzed in the FSAR in the same manner as before the change.

The probability of an accident or malfunction of a different type than any analyzed in the FSAR does not result from this change because reliability analyses have shown no significant increase in the probability of a spurious automatic depressurization.

The margin of safety as defined in the Technical Specifications is not reduced by this change because the bypass timer setting assures that all design margins are maintained.

ENCLOSURE 3

NRC DOCKET 50-321  
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EDWIN I. HATCH NUCLEAR PLANT UNIT 1  
REQUEST TO REVISE TECHNICAL SPECIFICATIONS  
ADS LOGIC MODIFICATION

Pursuant to 10 CFR 50.92, Georgia Power Company has evaluated the attached proposed amendment to the Hatch Unit 1 Technical Specifications and has determined that its adoption would not involve a significant hazard. The basis for this determination is as follows:

PROPOSED CHANGE

Add the ADS bypass timers to Tables 3.2-4 and 4.2.

BASIS

This change constitutes an additional control not previously included in the Technical Specifications. This change does not affect the probability or consequences of an accident or malfunction analyzed in the FSAR. This change does not create the possibility of an accident or malfunction of a different type than analyzed in the FSAR. The margin of safety as defined in the basis for any Technical Specification is not affected. The effect of this change is therefore within the acceptance criteria and the change is consistent with Item (ii) of the "Examples of Amendments That Are Considered Not Likely to Involve Significant Hazards Considerations" listed on page 14870 of the April 6, 1983 issue of the Federal Register.