Power

May 22, 1979

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

NRC DOCKET 50-321
OPERATING LICENSE DPR-57
EDWIN I. HATCH NUCLEAR PLANT UNIT 1
REACTOR PROTECTION SYSTEM (RPS) MOTOR GENERATOR SETS

Gentlemen:

Pursuant to 10 CFR 50.90 as required by 10 CFR 50.59(c)(1), Georgia Power Company hereby proposes a change in the Technical Specification (Appendix A to the Operating License). The proposed change would modify Surveillance Requirement 4.9.D due to the incorporation of redundant breakers on the output of the Reactor Protection System (RPS) Motor Generator Sets. The surveillance frequency would be changed to once per operating cycle. The installed breakers eliminate the need for monitoring output voltage and frequency every 8 hours, since these breakers provide redundant over-voltage, under-voltage and under-frequency protection.

The change requested for Technical Specification 3.9.D adds a specification which will limit the time that the RPS distribution panel 1A and/or 1B can be fed from the alternate power supply.

The Plant Review Board and the Safety Review Board have reviewed and approved these proposed changes to the Unit 1 Technical Specifications and have determined that they do not involve an unreviewed safety question. These changes to the Technical specifications do not increase any existing modes of failure because the breakers which were installed are redundant and seismically qualified and provide additional over-voltage, under-voltage and under-frequency protection to the RPS; therefore, the existing modes of failure have actually been decreased due to these changes. No new modes of failure are introduced from this change, just added protection. No safety limits or setpoints are being changed and the margin of safety has not been reduced. The addition of these breakers adds redundancy to the RPS protective instrumentation and additional assurance of safe operation.

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Georgia Power

Enclosed with the proposed changes are instructions for the incorporation of the proposed revision into the Technical Specifications.

Yours very truly,

Chas. F. Whitmer

MRD/mb

Enclosure

Sworn to and subscribed before me this 22nd day of May, 1979.

Notary Public, Georgia, State at Large
My Commission Expires May 29, 1981

cc: Mr. Ruble A. Thomas
George F. Trowbridge, Esquire

ATTACHMENT 1

NRC DOCKET 50-321
OPERATING LICENSE DPR-57
EDWIN I. HATCH NUCLEAR PLANT UNIT 1
PROPOSED CHANGES TO TECHNICAL SPECIFICATIONS

Pursuant to 10 CFR 170.12 (c), Georgia Power Company has evaluated the attached proposed amendment to Operating License DPR-57 and have determined that:

a) The proposed amendment does not require the evaluation of a new Safety Analysis Report or rewrite of the facility license;

b) The proposed amendment does not contain several complex issues, does not involve ACRS review, or does not require an environmental impact statement;

c) The proposed amendment does not involve a complex issue, an environmental issue or more than one safety issue;

d) The proposed amendment does involve a single issue; namely, the Hatch-1 Technical Specification changes for surveillance requirements for Reactor Protection Systems Motor Generator Set instrumentation.

e) The proposed amendment is therefore a Class III amendment.

ATTACHMENT 2

NRC DOCKET 50-321
OPERATING LICENSE DPR-57
EDWIN I. HATCH NUCLEAR PLANT UNIT 1
PROPOSED CHANGE TO TECHNICAL SPECIFICATIONS

The proposed change to Technical Specifications (Appendix A to Operating License DPR-57) would be incorporated as follows:

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3.9-6a	3.9-6a

LIMITING CONDITIONS FOR OPERATION	SURVEILLANCE REQUIREMENTS

3.9.D Reactor Protection System MG Sets

Applicability

The limiting conditions for operation apply to the reactor protection system instrumentation.

Objective:

The objective of the limiting condition of operation is to assure that failure of the motor-generator set voltage regulating circuitry will not result in damage to the reactor protection system components with an attendant potential loss of capability to scram the plant.

Specifications:

If in service the RPS instrumentation MG set 1A and/or 1B voltage will be within the range of 108 to 132 VAC.

1. With RPS instrumentation MG set 1A and/or 1B voltage outside the range of 108 to 132 VAC, demonstrates the OPERABILITY of all equipment which could have been subjected to the abnormal voltage for all Class IE loads connected to the associated bus(es) by performance of a CHANNEL FUNCTIONAL TEST, as required, within 24 hours.

2. With RPS instrumentation MG set 1A and/or 1B inoperable, restore the inoperable MG set(s) to OPERABLE status within 30 minutes or remove the inoperable MG set(s) from service.

3. With the RPS MG set 1A and/or 1B inoperable, the RPS distribution panel 1A and/or 1B may be fed from the alternate power supply for a period not to exceed 30 days. Once this period of 30 days is attained, restore the RPS distribution panel to normal power or manually scram that channel of RPS.

4.9.D Reactor Protection System MG Sets

Applicability

The surveillance requirements apply to the periodic testing requirements of the reactor protection system instrumentation.

Objective:

The objective of the surveillance requirements is to verify that the RPS instrumentation MG sets are within their normal range to preclude sustained over-voltage or under-voltage conditions that might compromise the capability of the RPS from performing its intended safety function.

Specifications:

The specified RPS instrumentation MG sets 1A and 1B shall be determined operable:

a. At least once per operating cycle and prior to resetting the Reactor Protection System Trips following a seismic event of Operational Basis Earthquake intensity, by demonstrating the OPERABILITY of RPS instrumentation MG set 1A and 1B over-voltage, under-voltage and under-frequency protective instrumentation by performance of a CHANNEL CALIBRATION including simulated automatic actuation of the protective relays, tripping logic and output circuit breakers and verifying the following setpoints:

   1. Over-voltage $\leq$ 132 VAC,

   2. Under-voltage $\geq$ 108 VAC, and

   3. Under-frequency $\geq$ 57 Hz.