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Docket No. 50-321

Mr. William Widner
 Vice President - Engineering
 Georgia Power Company
 P. O. Box 4545
 Atlanta, Georgia 30302



Dear Mr. Widner:

The Commission has issued the enclosed Amendment No. 84 to Facility Operating License No. DPR-57 for the Edwin I. Hatch Nuclear Plant, Unit 1, in response to your submittal of April 28, 1981. The amendment revises the Technical Specifications (TSs) as they relate to the inservice inspection of the welds in the reactor vessel bottom head during the first 5-year inspection interval.

The Hatch Unit 1 TSs, in Table 4.5-1, require that the reactor vessel bottom head welds be inspected during the first 5-year inspection interval, which coincides with the current refueling outage. During this outage, you performed a radiation survey of the bottom head area and determined that radiation levels preclude using manual ultrasonic techniques for the inspection. Remote techniques have not yet been developed. These welds exhibited no rejectable indications during the pre-service inspection.

The ASME Section XI Code, Rules for Inservice Inspection of Nuclear Reactor Coolant Systems, states that the bottom head welds should be examined at or near the end of a 10-year inspection interval. You requested, based on the above, an extension of the inspection interval from the current 5 years to the Code-allowed 10 years so that adequate time will be allowed for development of a bottom head mechanized ultrasonic inspection technique.

We conclude that the proposed TS change is acceptable as the 10-year interval agrees with the ASME Section XI Code requirements.

We have determined that the amendment does not involve a change in effluent types or total amounts nor an increase in power level and will not result in any significant environmental impact. Having made this determination, we have further concluded that the amendment involves an action which is insignificant from the standpoint of environmental impact and pursuant to 10 CFR Section 51.5(d)(4) that an environmental

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Mr. William Widner

impact statement or negative declaration and environmental impact appraisal need not be prepared in connection with the issuance of this amendment.

We have concluded, based on the considerations discussed above, that: (1) because the amendment does not involve a significant increase in the probability or consequences of accidents previously considered and does not involve a significant decrease in a safety margin, the amendment does not involve a significant hazards consideration, (2) there is reasonable assurance that the health and safety of the public will not be endangered by operation in the proposed manner, and (3) such activities will be conducted in compliance with the Commission's regulations and the issuance of this amendment will not be inimical to the common defense and security or to the health and safety of the public.

A copy of a related Notice of Issuance is also enclosed.

Sincerely,

Original signed by

John F. Stolz, Chief
Operating Reactors Branch #4
Division of Licensing

Enclosures:

- 1. Amendment No. 84 to DPR-57
- 2. Notice

cc w/enclosures:
See next page

FR NOTICE
& AMENDMENT

OFFICE ▶	ORB#4:DL	ORB#4:DL	C-ORB#4:DL	AD-OR:DL	OELD		
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DATE ▶	5/6/81	5/6/81	5/7/81	5/6/81	5/7/81		



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

May 7, 1981

Docket No. 50-321

Mr. William Widner
Vice President - Engineering
Georgia Power Company
P. O. Box 4545
Atlanta, Georgia 30302

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The Hatch Unit 1 TSs, in Table 4.6-1, require that the reactor vessel bottom head welds be inspected during the first 5-year inspection interval, which coincides with the current refueling outage. During this outage, you performed a radiation survey of the bottom head area and determined that radiation levels preclude using manual ultrasonic techniques for the inspection. Remote techniques have not yet been developed. These welds exhibited no rejectable indications during the pre-service inspection.

The ASME Section XI Code, Rules for Inservice Inspection of Nuclear Reactor Coolant Systems, states that the bottom head welds should be examined at or near the end of a 10-year inspection interval. You requested, based on the above, an extension of the inspection interval from the current 5 years to the Code-allowed 10 years so that adequate time will be allowed for development of a bottom head mechanized ultrasonic inspection technique.

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Mr. William Widner

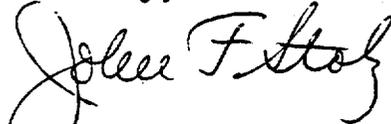
-2-

impact statement or negative declaration and environmental impact appraisal need not be prepared in connection with the issuance of this amendment.

We have concluded, based on the considerations discussed above, that: (1) because the amendment does not involve a significant increase in the probability or consequences of accidents previously considered and does not involve a significant decrease in a safety margin, the amendment does not involve a significant hazards consideration, (2) there is reasonable assurance that the health and safety of the public will not be endangered by operation in the proposed manner, and (3) such activities will be conducted in compliance with the Commission's regulations and the issuance of this amendment will not be inimical to the common defense and security or to the health and safety of the public.

A copy of a related Notice of Issuance is also enclosed.

Sincerely,



John F. Stolz, Chief
Operating Reactors Branch #4
Division of Licensing

Enclosures:

1. Amendment No. 84 to DPR-57
2. Notice

cc w/enclosures:
See next page

Hatch 1/2
Georgia Power Company

50-321/366

cc w/enclosure(s):

G. F. Trowbridge, Esq.
Shaw, Pittman, Potts and Trowbridge
1800 M Street, N.W.
Washington, D. C. 20036

Director, Criteria and Standards
Division
Office of Radiation Programs (ANR-460)
U. S. Environmental Protection Agency
Washington, D. C. 20460

Ruble A. Thomas
Vice President
P. O. Box 2625
Southern Services, Inc.
Birmingham, Alabama 35202

cc w/enclosure(s) & incoming dtd.:
4/28/81

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Southern Services, Inc.
Birmingham, Alabama 35202

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Atlanta, Georgia 30334

Chairman
Appling County Commissioners
County Courthouse
Baxley, Georgia 31513

Mr. L. T. Gucwa
Georgia Power Company
Engineering Department
P. O. Box 4545
Atlanta, Georgia 30302

Mr. Max Manry
Georgia Power Company
Edwin I. Hatch Plant
P. O. Box 442
Baxley, Georgia 31513

U. S. Environmental Protection Agency
Region IV Office
ATTN: EIS COORDINATOR
345 Courtland Street, N.E.
Atlanta, Georgia 30308

Appling County Public Library
301 City Hall Drive
Baxley, Georgia 31513

Mr. R. F. Rodgers
U.S. Nuclear Regulatory Commission
Route 1, P. O. Box 279
Baxley, Georgia 31513



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

GEORGIA POWER COMPANY
OGLETHORPE POWER CORPORATION
MUNICIPAL ELECTRIC AUTHORITY OF GEORGIA
CITY OF DALTON, GEORGIA

DOCKET NO. 50-321

EDWIN I. HATCH NUCLEAR PLANT, UNIT NO. 1

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 84
License No. DPR-57

1. The Nuclear Regulatory Commission (the Commission) has found that:
 - A. The application for amendment by Georgia Power Company, et al., (the licensee) dated April 28, 1981, complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act) and the Commission's rules and regulations set forth in 10 CFR Chapter I;
 - B. The facility will operate in conformity with the application, the provisions of the Act, and the rules and regulations of the Commission;
 - C. There is reasonable assurance (i) that the activities authorized by this amendment can be conducted without endangering the health and safety of the public, and (ii) that such activities will be conducted in compliance with the Commission's regulations;
 - D. The issuance of this amendment will not be inimical to the common defense and security or to the health and safety of the public; and
 - E. The issuance of this amendment is in accordance with 10 CFR Part 51 of the Commission's regulations and all applicable requirements have been satisfied.
2. Accordingly, the license is amended by changes to the Technical Specifications as indicated in the attachment to this license amendment and paragraph 2.C.(2) of Facility Operating License No. DPR-57 is hereby amended to read as follows:

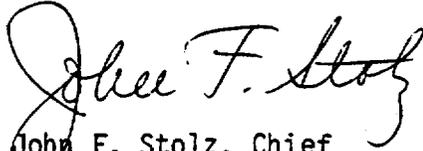
(2) Technical Specifications

The Technical Specifications contained in Appendices A and B, as revised through Amendment No. 84, are hereby incorporated in the license. The licensee shall operate the facility in accordance with the Technical Specifications.

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3. This amendment is effective as of the date of issuance.

FOR THE NUCLEAR REGULATORY COMMISSION

A handwritten signature in cursive script, reading "John F. Stolz". The signature is written in dark ink and is positioned above the typed name and title.

John F. Stolz, Chief
Operating Reactors Branch #4
Division of Licensing

Attachment:
Changes to the Technical
Specifications

Date of Issuance: May 7, 1981

ATTACHMENT TO LICENSE AMENDMENT NO. 84

FACILITY OPERATING LICENSE NO. DPR-57

DOCKET NO. 50-321

Replace the following page of the Appendix "A" Technical Specifications with the enclosed page. The revised page is identified by Amendment number and contains a vertical line indicating the area of change. The overleaf page is provided to maintain document completeness.

Remove

3.6-11

Insert

3.6-11

Table 4.6-1

In-Service Inspection Program

CATE- GORY	EXAMINATION AREA	EXAMINATION METHOD	INSPECTION DURING FIRST 5-YEAR INTERVAL	TENTATIVE INSPEC- TION DURING 10-YEAR INTERVAL
<u>REACTOR VESSEL AND CLOSURE HEAD</u>				
A	Longitudinal and circumferential shell welds in core region	Volumetric	None	5% of the length of each circumferential weld; 10% of the length of each longitudinal weld
B	Longitudinal and circumferential welds in the vessel shell and meridional and circumferential welds in vessel heads (other than those of Category A and C)	Volumetric	None	5% of the length of each circumferential weld; 10% of the length of each longitudinal weld
C	Vessel-to-flange and head-to-flange circumferential welds	Volumetric	1/3 of the vessel-to-flange and 1/3 of the head-to-circumferential weld	Cumulative 100% of the vessel-to-flange weld and of the head-to-flange weld
D	Primary nozzle-to-vessel welds and nozzle-to-vessel inside radiused section	Volumetric	Inspection of five nozzle-to-shell weld and inner nozzle radii	Inspection of all nozzle-to-shell welds and inner radius sections
E-2	Vessel penetrations, including control rod drive mechanism penetrations and control rod housing mechanism pressure boundary welds	Visual	10% of the control rod drive mechanism and instrumentation penetrations will be visually inspected for leakage	Cumulative 25% of the control rod drive mechanism and of the instrumentation penetrations will be visually inspected for leakage
F	Primary nozzles to safe end welds	Visual and surface and volumetric	The dissimilar weld on five nozzles	All of the dissimilar metal welds on the vessel nozzles will be examined
G-1	Closure studs and nuts	Volumetric and Visual	Cumulative 50%	Cumulative 100%

Table 4.6-1

In-Service Inspection Program

(Continued)

CATE- GORY	EXAMINATION AREA	EXAMINATION METHOD	INSPECTION DURING FIRST 5-YEAR INTERVAL	TENTATIVE INSPEC- TION DURING 10-YEAR INTERVAL
<u>REACTOR VESSEL AND CLOSURE HEAD</u>				
G-1	Ligaments be- tween threaded stud holes	Volumetric	1/3 of the vessel- to-flange bolt ligaments will be examined	Cumulative 100% of the vessel flange bolt ligaments
G-1	Closure washers, bushings	Visual	Cumulative 50%	Cumulative 100%
H	Integrally welded vessel external supports	Volumetric	None	10% of the total weld length
I-1	Closure head cladding	Volumetric	None	The closure head is not clad. During the 10-year period, at least 6 points will be measured for thickness to deter- mine the corrosion rate.
I-1	Vessel clad- ing	Visual	None	100% of selected areas at or near end of interval
N	Interior sur- faces and internals and integrally welded inter- nal supports	Visual	A critical examina- tion will be made of the interior surface made available by normal refueling operations at the 1st refueling cycle. This will be repeated at the 4th refueling cycle with the amount of the inspection be- ing dependent upon re- sults of the 1st in- spection and that made on other boiling-water systems	The inspections made at the 4th refueling cycle will be repeated at the 7th and 10th refueling cycle

UNITED STATES NUCLEAR REGULATORY COMMISSIONDOCKET NO. 50-321GEORGIA POWER COMPANY, ET AL.NOTICE OF ISSUANCE OF AMENDMENT TO FACILITY
OPERATING LICENSE

The U. S. Nuclear Regulatory Commission (the Commission) has issued Amendment No. 84 to Facility Operating License No. DPR-57, issued to Georgia Power Company, Oglethorpe Power Corporation, Municipal Electric Association of Georgia, and City of Dalton, Georgia, which revised Technical Specifications for operation of the Edwin I. Hatch Nuclear Plant, Unit No. 1 (the facility) located in Appling County, Georgia. The amendment is effective as of the date of issuance.

The amendment revises the Technical Specifications as they relate to the inservice inspection of the welds in the reactor vessel bottom head during the first 5-year inspection interval.

The application for the amendment complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's rules and regulations. The Commission has made appropriate findings as required by the Act and the Commission's rules and regulations in 10 CFR Chapter I, which are set forth in the license amendment. Prior public notice of this amendment was not required since the amendment does not involve a significant hazards consideration.

The Commission has determined that the issuance of this amendment will not result in any significant environmental impact and that pursuant to 10 CFR Section 51.5(d)(4) an environmental impact statement, or negative declaration

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and environmental impact appraisal need not be prepared in connection with issuance of this amendment.

For further details with respect to this action, see (1) the application for amendment dated April 28, 1981, (2) Amendment No. 84 to License No. DPR-57, and (3) the Commission's letter to Georgia Power Company dated May 7, 1981. All of these items are available for public inspection at the Commission's Public Document Room, 1717 H Street, N. W., Washington, D. C., and at the Appling County Public Library, 301 City Hall Drive, Baxley, Georgia 31513. A copy of items (2) and (3) may be obtained upon request addressed to the U. S. Nuclear Regulatory Commission, Washington, D. C. 20555, Attention: Director, Division of Licensing.

Dated at Bethesda, Maryland, this 7th day of May 1981.

FOR THE NUCLEAR REGULATORY COMMISSION



John F. Stolz, Chief
Operating Reactors Branch #4
Division of Licensing