

November 10, 1986

Docket No. 50-366

Mr. J. T. Beckham, Jr.
Vice President - Nuclear Generation
Georgia Power Company
P. O. Box 4545
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Dear Mr. Beckham:

The Commission has issued the enclosed Amendment No. 68 to Facility Operating License No. NPF-5, for the Edwin I. Hatch Nuclear Plant, Unit No. 2. The amendment consists of changes to the Technical Specifications (TSs) in response to your application dated July 18, 1986.

The amendment updates TS Table 3.6.3-1 to reflect the current plant design with respect to primary containment isolation valves (PCIVs).

A copy of the Safety Evaluation is also enclosed. Notice of Issuance will be included in the Commission's Bi-Weekly Federal Register Notice.

Sincerely,

Original signed by

George W. Rivenbark, Project Manager
BWR Project Directorate #2
Division of BWR Licensing

Enclosures:

1. Amendment No. 68 to NPF-5
2. Safety Evaluation

cc w/enclosures:
See next page

BWR:PD#2
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10/15/86

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10/20/86

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P PDR

Mr. J. T. Beckham, Jr.
Georgia Power Company

Edwin I. Hatch Nuclear Plant,
Units Nos. 1 and 2

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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. 50-366
EDWIN I. HATCH NUCLEAR PLANT, UNIT NO. 2
AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 68
License No. NPF-5

1. The Nuclear Regulatory Commission (the Commission) has found that:
 - A. The application for amendment by Georgia Power Company, et al., (the licensee) dated July 18, 1986 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. NPF-5 is hereby amended to read as follows:

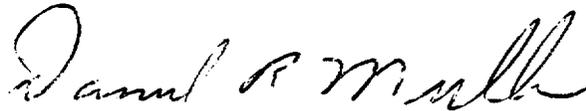
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(2) Technical Specifications

The Technical Specifications contained in Appendices A & B, as revised through Amendment No.68 , are hereby incorporated in the license. The licensee shall operate the facility in accordance with the Technical Specifications.

3. This license amendment is effective as of its date of issuance and shall be implemented within 60 days of issuance.

FOR THE NUCLEAR REGULATORY COMMISSION



Daniel R. Muller, Director
BWR Project Directorate #2
Division of BWR Licensing

Attachment:
Changes to the Technical
Specifications

Date of Issuance: November 10, 1986

ATTACHMENT TO LICENSE AMENDMENT NO. 68

FACILITY OPERATING LICENSE NO. NPF-5

DOCKET NO. 50-366

Replace the following pages of the Appendix "A" Technical Specifications with the enclosed pages. The revised pages are identified by Amendment number and contain a vertical line indicating the area of change.

<u>Remove</u>	<u>Insert</u>
3/4 6-20	3/4 6-20
3/4 6-22	3/4 6-22
3/4 6-23	3/4 6-23
3/4 6-26	3/4 6-26
3/4 6-27	3/4 6-27
3/4 6-29	3/4 6-29
3/4 6-30	3/4 6-30
3/4 6-31	3/4 6-31
3/4 6-32	3/4 6-32

TABLE 3.6.3-1 (Continued)
PRIMARY CONTAINMENT ISOLATION VALVES

<u>VALVE FUNCTION AND NUMBER</u>	<u>VALVE GROUP^(*)</u>	<u>ISOLATION TIME (Seconds)</u>
A. Automatic Isolation Valves (Continued)		
14. Drywell Vent and Purge System Isolation Valves		
2T48-F307	6	5
2T48-F308	6	5
2T48-F103	6	5
2T48-F104	6	5
2T48-F118A	6	5
2T48-F118B	6	5
2T48-F324	6	5
2T48-F319	6	5
2T48-F320	6	5
2T48-F340	6	5
2T48-F341	6	10
2T48-F334 A	6	10
2T48-F334 B	6	3
2T48-F335 A	6	3
2T48-F335 B	6	3
15. Drywell Pneumatic System Isolation Valves		
2P70-F002	6	5
2P70-F003	6	5
16. Fission Products Monitoring System Isolation Valves		
2D11-F050	6	5
2D11-F051	6	5
2D11-F052	6	5
2D11-F053	6	5

Proposed TS/0040q/188

(*) See Specification 3.3.2, Table 3.3.2.1, for isolation signals that operate each valve group.

TABLE 3.6.3-1 (Continued)

PRIMARY CONTAINMENT ISOLATION VALVES		
VALVE FUNCTION AND NUMBER	VALVE GROUP ^(*)	ISOLATION TIME (Seconds)
A. <u>Automatic Isolation Valves (Continued)</u>		
21. Core Spray System Flow Test Line Isolation Valves		
2E21-F015 A	#	50
2E21-F015 B	#	50
22. Suppression Pool Vent and Purge System Isolation Valves		
2T48-F338	10	5
2T48-F339	10	5
2T48-F318	10	5
2T48-F326	10	5
2T48-F332 A	10	3
2T48-F332 B	10	3
2T48-F333 A	10	3
2T48-F333 B	10	3
23. RHR Shutdown Cooling Suction Isolation Valves		
2E11-F008	11	24

Proposed TS/0040q/188

(*) See Specification 3.3.2, Table 3.3.2-1, for Isolation signals that operate each valve group
 *Closes upon actuation of Core Spray via a high drywell pressure signal (see Item 1.b of Table 3.3.3-1) or a Low Low Low (Level 1) signal from 2B21-N691A,B,C,D (see Item 1.a of Table 3.3.3-1).

HATCH - UNIT 2

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Amendment No. 68

TABLE 3.6.3-1 (Continued)

PRIMARY CONTAINMENT ISOLATION VALVES

<u>VALVE FUNCTION AND NUMBER</u>	<u>VALVE GROUP^(*)</u>	<u>ISOLATION TIME (Seconds)</u>
A. <u>Automatic Isolation Valves (Continued)</u>		
24. Traversing Incore Probe Isolation Valve Ball Valves	*	NA
25. Vacuum Relief Isolation Valves		
2T48-F309	6	5
2T48-F324	6	5
26. HPCI Pump Suction Isolation Valve		
2E41-F042	3	84

Proposed TS/0040q/188

(*) See Specification 3.3.2, Table 3.3.2-1, for isolation signals that operate each valve group.
 *Closes upon withdrawal of TIP. TIP automatic withdrawal is actuated by either low reactor vessel water level or high drywell pressure.

TABLE 3.6.3-1 (Continued)
PRIMARY CONTAINMENT ISOLATION VALVES

VALVE FUNCTION AND NUMBER

B. MANUAL ISOLATION VALVES(*) (Continued)

- 14. Nitrogen inlet isolation valves
2T48-F113
2T48-F114
- 15. RCIC pump suction isolation valves
2E51-F003
2E51-F031
- 16. RHR pump suction isolation valves
2E11-F004A, B, C, D
- 17. Vacuum relief isolation valves
2T48-F310
2T48-F311
- 18. Vacuum relief instrumentation line isolation valve
2T48-F364A, B
- 19. Torus water level instrumentation line isolation valves
2T48-361 A, B
2T48-362 A, B
- 20. HPCI pump suction isolation valve
2E41-F051
- 21. Core spray pump suction isolation valves
2E21-F001 A, B

HATCH - UNIT 2
Amendment No. 68

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TABLE 3.6.3-1 (Continued)PRIMARY CONTAINMENT ISOLATION VALVESVALVE FUNCTION AND NUMBERB. MANUAL ISOLATION VALVES(*) (Continued)

22. FPM sample isolation valves
2D11-F058
2D11-F065
23. Torus purification suction isolation valves
2G51-F002
24. RHR relief valve discharge isolation valve
2E11-F103 A, B
25. Nitrogen makeup isolation valves
2T48-F115
2T48-F116
26. Core spray test line isolation valves
2E11-F007 A, B

TABLE 3.6.3-1 (Continued)

PRIMARY CONTAINMENT ISOLATION VALVESVALVE FUNCTION AND NUMBERC. OTHER ISOLATION VALVES (Continued)

7. Recirculation pump suction pressure instrumentation line isolation valves(*)
2B31-F040 B, C
8. Recirculation pump seal pressure instrumentation line isolation valves(*)
2B31-F003 A, B
2B31-F004 A, B
9. Main steam line flow instrumentation line isolation valves(*)
2B21-F070 A, B, C, D
2B21-F071 A, B, C, D
2B21-F072 A, B, C, D
2B21-F073 A, B, C, D
10. RCIC steam line pressure instrumentation line isolation valves(*)
2E51-F044 A, B, C, D
11. TIP N₂ purge isolation valves
2C51-F3017
2C51-F3012
12. Pressure above and below core plate instrumentation line isolation valves(*)
2E21-F018 C
2B21-F055
2B21-F057
2B21-F061

(*) Excess flow check valve.

TABLE 3.6.3-1 (Continued)
PRIMARY CONTAINMENT ISOLATION VALVES

VALVE FUNCTION AND NUMBER

C. OTHER ISOLATION VALVES (Continued)

13. Jet pump instrumentation line isolation valves^(g)
2B21-F051 A, B, C, D
2B21-F053 A, B, C, D
2B21-F059 A, B, C, D, E, F, G, H, L, M, N, P, R, S, T, U
14. HPCI steam line pressure instrumentation line isolation valves^(g)
2E41-F024 A, B, C, D
15. Core spray pressure instrumentation line isolation valves^(g)
2E21-F018 A, B
16. Standby liquid control isolation valves
2C41-F006
2C41-F007
17. RPV level instrumentation line isolation valves^(g)
2B21-F041
2B21-F043 A, B
2B21-F045 A, B
2B21-F047 A, B
2B21-F049 A, B
18. Vacuum relief isolation valves^(h)
2T48-F328 A, B

^(g)Excess flow check valve.
^(h)Air operated check valve.

TABLE 3.6.3-1 (Continued)

PRIMARY CONTAINMENT ISOLATION VALVES

VALVE FUNCTION AND NUMBER

C. OTHER ISOLATION VALVES (Continued)

19. RHR pump suction relief valves⁽¹⁾
2E11-F030 A, B, C, D
20. RHR test line isolation valves
2E51-F021
2E11-F025 A, B⁽¹⁾
2E11-F029⁽¹⁾
2E41-F046
2E11-F097⁽¹⁾
21. RCIC turbine exhaust isolation valves
2E51-F001
2E51-F040
22. RCIC turbine vacuum pump discharge isolation valves
2E51-F002
2E51-F028
23. HPCI turbine exhaust isolation valves
2E41-F021
2E41-F049

⁽¹⁾ Pressure relief valve.

TABLE 3.6.3-1 (Continued)

PRIMARY CONTAINMENT ISOLATION VALVESVALVE FUNCTION AND NUMBERC. OTHER ISOLATION VALVES (Continued)

24. HPCI exhaust drain isolation valves
2E41-F022
2E41-F040
25. RHR relief valve discharge isolation valves
2E11-F055 A, B^(I)
RV^(J)
RV^(J)
2T49-F009 A, B
26. Core spray test line isolation valves
2E21-F036 A, B
2E21-F044 A, B
27. Control air to vacuum breakers isolation valve
2T48-F342 A, B, C, D, E, F, G, H, I, J, K, L
28. Torus to drywell vacuum breaker air cylinder
2T48-F323 A, B, C, D, E, F, G, H, I, J, K, L
29. Suppression pool purification system suction line blind flange
2G51-D001
30. Suppression pool vent and purge system supply line blind flange
2T48-D006
31. RHR head spray isolation valve
2E11-F023^(K)

0040q

^(I)Pressure relief valve.^(J)Thermal relief valve.^(K)Deactivated and locked in the closed (isolation) position.



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION

SUPPORTING AMENDMENT NO. 68 TO

FACILITY OPERATING LICENSE NO. NPF-5

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

EDWIN I. HATCH NUCLEAR PLANT, UNIT NO. 2

DOCKET NO. 50-366

1.0 INTRODUCTION

By letter dated July 18, 1986, the licensee proposed changes to clarify and correct Technical Specifications Table 3.6.3-1, "Primary Containment Isolation Valves," for the Edwin I. Hatch Nuclear Plant Unit 2. These changes are the outcome of a comprehensive review of the Technical Specifications Table 3.6.3-1 compared to plant leak rate test and inservice inspection procedures, as-built plant drawings, and Hatch Plant Unit 2 FSAR Table 6.2-5, "Lines Penetrating the Primary Containment." On the basis of this review, six areas of proposed changes have been identified.

2.0 EVALUATION

Proposed Change 1: Delete four primary containment isolation valves from Table 3.6.3-1.

Fire Protection isolation valves 2T43-F159 and 2T43-F160 and reactor pressure vessel instrumentation line isolation valves 2B21-F065 A, B are in lines that have been capped.

The subject valves have been subsequently removed from the plant. Since the lines that contained the removed valves have been capped, containment integrity is maintained. It is, therefore, acceptable to delete the removed valves from Table 3.6.3-1 of the Technical Specifications.

Proposed Change 2: Add 15 primary containment isolation valves to Table 3.6.3-1.

The following valves or blind flanges have been added to Table 3.6.3-1.:

Torus to Drywell Vacuum Breaker Air Cylinder
2T48-F323 A, B, C, D, E, F, G, H, I, J, K, L

Suppression Pool Purification System Suction Line Blind Flange
2G51-D001

Suppression Pool Vent and Purge System Supply Line Blind Flange
2T48-D006

RPV Head Spray Isolation Valve
2E11-F023

HPCI Pump Suction Isolation Valve
2E41-F042

These 15 additional valves or blind flanges have either been added to the plant through design modifications, or existed since plant operation began, but have never been listed in the Technical Specifications even though they were tested per plant procedures and identified as containment isolation valves in the Inservice Inspection Plan. Since this proposed change is conservative by adding 15 additional valves to Table 3.6.3-1 of the Technical Specifications, it is acceptable.

Proposed Change 3: Add or correct part numbers for 16 valves:

The following 16 valves have corrected part numbers or have added part numbers for valves which are presently listed without part numbers:

TIP N₂ Purge Isolation Valves
2C51-F3017 2C51-F3012

Core Spray Pressure Instrumentation Line Isolation Valves
2E21-F018 A, B

Control Air to Vacuum Breaker Isolation Valves
2T48-F342 A, B, C, D, E, F, G, H, I, J, K, L

The change corrects inaccurate information in the present Technical Specification and also provides for easier valve identification. Since the proposed change is a clarification of Table 3.6.3-1 in the Technical Specification, it is acceptable.

Proposed Change 4: Move eight valves from Table 3.6.3-1, Section B (Manual Isolation Valves) to Section A (Automatic Isolation Valves)

The following eight valves have been moved from Section B (Manual Isolation Valves) to Section A (Automatic Isolation Valves):

Drywell Vent and Purge System Isolation Valves
2T48-F334 A, B 2T48-F335 A, B

Suppression Pool Vent and Purge System Isolation Valves
2T48-F332 A, B 2T48-F333 A, B

The above valves have been modified to actuate on automatic isolation signals as a result of post-TMI requirements. This proposed change corrects Table 3.6.3-1 to the current plant configuration and is, therefore, acceptable.

Proposed Change 5: Move RPV head spray valve from Table 3.6.3-1, Section A (Automatic Isolation Valves) to Table 3.6.3-1, Section C (Other Isolation Valves).

The proposed change involves moving valve 2E11-F023, RPV head spray isolation valve from Section A (Automatic Isolation Valves) to Section C (Other Isolation Valves). A plant modification is being made to cut the RPV head spray line and fit it with a blind flange inside containment. The head spray isolation valve 2E11-F023 will remain as the inboard isolation barrier, and will be deactivated and locked closed. Since valve 2E11-F023 will no longer be an automatic isolation valve, it is acceptable to move it to Section C (Other Isolation Valves) in Table 3.6.3-1.

Proposed Change 6: Change the isolation boundary for the fission product monitoring system sample line.

The fission product monitoring sample isolation valve 2D11-F061, which is non-nuclear-grade, is being replaced by 2D11-F065, which is nuclear-grade. Since this change meets the criteria for a primary containment isolation valve it is acceptable.

On the basis of our evaluation, we conclude that the proposed changes, which clarify, correct and update the Hatch Nuclear Plant Unit 2 with respect to containment isolation valves, are acceptable.

3.0 ENVIRONMENTAL CONSIDERATION

This amendment changes a requirement with respect to installation or use of a facility component located within the restricted areas as defined in 10 CFR Part 20. The staff has determined that the amendment involves no significant increase in the amounts, and no significant change in the types, of any effluents that may be released offsite; and that there should be no significant increase in individual or cumulative occupational radiation exposure. The Commission has previously issued a proposed finding that this amendment involves no significant hazards consideration and there has been no public comment on such finding. Accordingly, this amendment meets the eligibility criteria for categorical exclusion set forth in 10 CFR 51.22(c)(9). Pursuant to 10 CFR 51.22(b), no environmental impact statement nor environmental assessment need be prepared in connection with the issuance of this amendment.

4.0 CONCLUSION

On the basis of the considerations discussed above, the staff has concluded that: (1) there is reasonable assurance that the health and safety of the public will not be endangered by operation in the proposed manner, and (2) such activities will be conducted in compliance with the Commission's regulations.

Principal Contributor: F. Witt

Dated: November 10, 1986