



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D.C. 20555-0001

October 2, 2008

Mr. Dennis R. Madison  
Vice President - Hatch  
Edwin I. Hatch Nuclear Plant  
11028 Hatch Parkway North  
Baxley, GA 31513

SUBJECT: EDWIN I. HATCH NUCLEAR PLANT, UNIT NOS. 1 AND 2, ISSUANCE  
OF AMENDMENTS REGARDING COMPLETION TIME FOR INOPERABLE  
SWING DIESEL GENERATOR (TAC NOS. MD6947 AND MD6948)

Dear Mr. Madison:

The U.S. Nuclear Regulatory Commission has issued the enclosed Amendment No. 259 to Renewed Facility Operating License DPR-57 and Amendment No. 203 to Renewed Facility Operating License NPF-5 for the Edwin I. Hatch Nuclear Plant, Units 1 and 2, respectively. The amendments consist of changes to the Technical Specifications (TSs) in response to your application dated October 5, 2007.

The amendments revise the TSs completion times (CTs) for TS Limiting Condition of Operation (LCO) 3.8.1, Conditions B and C, by specifying when maintenance restrictions need to be met and by adding a 72-hour CT for the swing DG 1B.

A copy of the related Safety Evaluation is also enclosed. A Notice of Issuance will be included in the Commission's next biweekly *Federal Register* notice.

Sincerely,

A handwritten signature in cursive script that reads "Robert Martin".

Robert E. Martin, Senior Project Manager  
Plant Licensing Branch II-1  
Division of Operating Reactor Licensing  
Office of Nuclear Reactor Regulation

Docket Nos. 50-321 and 50-366

Enclosures:

1. Amendment No. 259 to DPR-57
2. Amendment No. 203 to NPF-5
3. Safety Evaluation

cc w/encls: See next page

October 2, 2008

Mr. Dennis R. Madison  
Vice President - Hatch  
Edwin I. Hatch Nuclear Plant  
11028 Hatch Parkway North  
Baxley, GA 31513

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OF AMENDMENTS REGARDING COMPLETION TIME FOR INOPERABLE  
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A copy of the related Safety Evaluation is also enclosed. A Notice of Issuance will be included in the Commission's next biweekly *Federal Register* notice.

Sincerely,

*/RA/*

Robert E. Martin, Senior Project Manager  
Plant Licensing Branch II-1  
Division of Operating Reactor Licensing  
Office of Nuclear Reactor Regulation

Docket Nos. 50-321 and 50-366

Enclosures:

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2. Amendment No. 203 to NPF-5
3. Safety Evaluation

cc w/encls: See next page

DISTRIBUTION:

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LPL2-1 R/F  
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RidsNrrDirsltsb Resource  
RidsNrrLAGLappert  
**G.Hill, OIS (4)**

Amendment No. ML082280076

**\* By Memo**

OFFICE	NRR/LPL2-1/PM	NRR/LPL2-1/LA	DE/EEB/BC	OGC NLO w/ comments	NRR/LPL2-1/BC
NAME	RMartin	GLappert	GWilson *	RHolmes	LOlshan for MWong
DATE	09/03/08	09/03/08	08/01/08	09/10/08	10/01/08

OFFICIAL RECORD COPY

Edwin I. Hatch Nuclear Plant, Units 1 & 2  
September 3, 2008

cc:

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UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D.C. 20555-0001

SOUTHERN NUCLEAR OPERATING COMPANY, INC.

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 RENEWED FACILITY OPERATING LICENSE

Amendment No.259  
Renewed License No. DPR-57

1. The Nuclear Regulatory Commission (the Commission) has found that:
  - A. The application for amendment to the Edwin I. Hatch Nuclear Plant, Unit 1 (the facility) Renewed Facility Operating License No. DPR-57 filed by Southern Nuclear Operating Company, Inc. (the licensee), acting for itself, Georgia Power Company, Oglethorpe Power Corporation, Municipal Electric Authority of Georgia, and City of Dalton, Georgia (the owners), dated October 5, 2007, complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's rules and regulations as 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 set forth in 10 CFR Chapter I;
  - 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 hereby amended by page changes to the Technical Specifications as indicated in the attachment to this license amendment, and paragraph 2.C.(2) of Renewed Facility Operating License No. DPR-57 is hereby amended to read as follows:

- (2) Technical Specifications

The Technical Specifications contained in Appendix A and the Environmental Protection Plan contained in Appendix B, as revised through Amendment No. 259 , are hereby incorporated in the license. Southern Nuclear shall operate the facility in accordance with the Technical Specifications and the Environmental Protection Plan.

3. This license amendment is effective as of its date of issuance and shall be implemented within 30 days from the date of issuance.

FOR THE NUCLEAR REGULATORY COMMISSION



Melanie C. Wong, Chief  
Plant Licensing Branch II-1  
Division of Operating Reactor Licensing  
Office of Nuclear Reactor Regulation

Attachment:  
Changes to Renewed Facility  
Operating License No. DPR-57  
and the Technical Specifications

Date of Issuance: October 2, 2008

ATTACHMENT TO LICENSE AMENDMENT NO. 259  
RENEWED FACILITY OPERATING LICENSE NO. DPR-57  
DOCKET NO. 50-321

Replace the following pages of the License and the Appendix A Technical Specifications (TSs) with the attached revised pages. The revised pages are identified by amendment number and contain marginal lines indicating the areas of change.

Remove Pages

License  
Page 4

TSs

3.8-3  
3.8-4  
3.8-5  
3.8-6

Insert Pages

License  
Page 4

TSs

3.8-3  
3.8-4  
3.8-5  
3.8-6

for sample analysis or instrument calibration, or associated with radioactive apparatus or components;

- (6) Southern Nuclear, pursuant to the Act and 10 CFR Parts 30 and 70, to possess, but not separate, such byproduct and special nuclear materials as may be produced by the operation of the facility.

C. This renewed license shall be deemed to contain and is subject to the conditions specified in the following Commission regulations in 10 CFR Chapter I: Part 20, Section 30.34 of Part 30, Section 40.41 of Part 40, Section 50.54 of Part 50, and Section 70.32 of Part 70; all applicable provisions of the Act and the rules, regulations, and orders of the Commission now or hereafter in effect; and the additional conditions specified or incorporated below:

(1) Maximum Power Level

Southern Nuclear is authorized to operate the facility at steady state reactor core power levels not in excess of 2804 megawatts thermal.

(2) Technical Specifications

The Technical Specifications (Appendix A) and the Environmental Protection Plan (Appendix B), as revised through Amendment No. are hereby incorporated in the renewed license. Southern Nuclear shall operate the facility in accordance with the Technical Specifications and the Environmental Protection Plan.

The Surveillance Requirement (SR) contained in the Technical Specifications and listed below, is not required to be performed immediately upon implementation of Amendment No. 195. The SR listed below shall be successfully demonstrated prior to the time and condition specified:

SR 3.8.1.18 shall be successfully demonstrated at its next regularly scheduled performance

(3) Fire Protection

Southern Nuclear shall implement and maintain in effect all provisions of the fire protection program, which is referenced in the Updated Final Safety Analysis Report for the facility, as contained in the updated Fire Hazards Analysis and Fire Protection Program for Edwin I. Hatch Nuclear Plant Units 1 and 2, which was originally submitted by letter dated July 22, 1986. Southern Nuclear may make changes to the fire protection program without prior Commission approval only if the changes

ACTIONS

CONDITION	REQUIRED ACTION	COMPLETION TIME
B. (continued)	B.2 Declare required feature(s), supported by the inoperable DG, inoperable when the redundant required feature(s) are inoperable.	4 hours from discovery of Condition B concurrent with inoperability of redundant required feature(s)
	<u>AND</u>	
	B.3.1 Determine OPERABLE DG(s) are not inoperable due to common cause failure.	24 hours
	<u>OR</u>	
	B.3.2 Perform SR 3.8.1.2.a for OPERABLE DG(s).	24 hours
	<u>AND</u>	
	B.4 Restore DG to OPERABLE status.	72 hours for a Unit 1 DG with the swing DG not inhibited or maintenance restrictions not met
	<u>AND</u>	
		14 days for a Unit 1 DG with the swing DG inhibited from automatically aligning to Unit 2 and maintenance restrictions met
	<u>AND</u>	
	72 hours for the swing diesel with maintenance restrictions not met	

(continued)



ACTIONS

CONDITION	REQUIRED ACTION	COMPLETION TIME
B. (continued)	B.4 (continued)	<p><u>AND</u></p> <p>14 days for the swing diesel with maintenance restrictions met</p> <p><u>AND</u></p> <p>17 days from discovery of failure to meet LCO 3.8.1.a, b, or c</p>
C. One required Unit 2 DG inoperable	<p>C.1 Perform SR 3.8.1.1 for OPERABLE required offsite circuit(s).</p> <p><u>AND</u></p> <p>C.2 Declare required feature(s), supported by the inoperable DG, inoperable when the redundant required feature(s) are inoperable.</p> <p><u>AND</u></p> <p>C.3.1 Determine OPERABLE DG(s) are not inoperable due to common cause failure.</p> <p><u>OR</u></p> <p>C.3.2 Perform SR 3.8.1.2.a for OPERABLE DG(s).</p>	<p>1 hour</p> <p><u>AND</u></p> <p>Once per 8 hours thereafter</p> <p>4 hours from discovery of Condition C concurrent with inoperability of redundant required feature(s)</p> <p>24 hours</p> <p>24 hours</p> <p>(continued)</p>

ACTIONS

CONDITION	REQUIRED ACTION	COMPLETION TIME
<p>C. (continued)</p>	<p><u>AND</u></p> <p>C.4 Restore required DG to OPERABLE status.</p>	<p>7 days with the swing DG not inhibited or maintenance restrictions not met</p> <p><u>AND</u></p> <p>14 days with the swing DG inhibited from automatically aligning to Unit 1 and maintenance restrictions met</p>
<p>D. Two or more required offsite circuits inoperable.</p>	<p>D.1 Declare required feature(s) with no offsite power available inoperable when the redundant required feature(s) are inoperable.</p> <p><u>AND</u></p> <p>D.2 Restore all but one required offsite circuit to OPERABLE status.</p>	<p>12 hours from discovery of Condition D concurrent with inoperability of redundant required feature(s)</p> <p>24 hours</p>
<p>E. One required offsite circuit inoperable.</p> <p><u>AND</u></p> <p>One required DG inoperable.</p>	<p>-----NOTE----- Enter applicable Conditions and Required Actions of LCO 3.8.7, "Distribution Systems - Operating," when Condition E is entered with no AC power source to one 4160 V ESF bus. -----</p> <p>E.1 Restore required offsite circuit to OPERABLE status.</p>	<p>12 hours</p>

(continued)

ACTIONS (continued)

CONDITION	REQUIRED ACTION	COMPLETION TIME
E. (continued)	<u>OR</u> E.2 Restore required DG to OPERABLE status.	12 hours
F. Two or more (Unit 2 and swing) DGs inoperable.	F.1 Restore all but one Unit 2 and swing DGs to OPERABLE status.	2 hours
G. No DGs capable of supplying power to any Unit 2 LPCI valve load center.	G.1 Restore one DG capable of supplying power to Unit 2 LPCI valve load center to OPERABLE status.	2 hours
H. Required Action and Associated Completion Time of Condition A, B, C, D, E, F, or G not met.	H.1 Be in MODE 3. <u>AND</u> H.2 Be in MODE 4.	12 hours  36 hours
I. One or more required offsite circuits and two or more required DGs inoperable.  <u>OR</u> Two or more required offsite circuits and one required DG inoperable.	I.1 Enter LCO 3.0.3.	Immediately



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SOUTHERN NUCLEAR OPERATING COMPANY, INC.

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 RENEWED FACILITY OPERATING LICENSE

Amendment No. 203  
Renewed License No. NPF-5

1. The Nuclear Regulatory Commission (the Commission) has found that:
  - A. The application for amendment to the Edwin I. Hatch Nuclear Plant, Unit 2 (the facility) Renewed Facility Operating License No. NPF-5 filed by Southern Nuclear Operating Company, Inc. (the licensee), acting for itself, Georgia Power Company, Oglethorpe Power Corporation, Municipal Electric Authority of Georgia, and City of Dalton, Georgia (the owners), dated October 5, 2007, complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's rules and regulations as 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 set forth in 10 CFR Chapter I;
  - 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 hereby amended by page changes to the Technical Specifications as indicated in the attachment to this license amendment, and paragraph 2.C.(2) of Renewed Facility Operating License No. NPF-5 is hereby amended to read as follows:

(2) Technical Specifications

The Technical Specifications contained in Appendix A and the Environmental Protection Plan contained in Appendix B, as revised through Amendment No. 203 are hereby incorporated in the license. Southern Nuclear shall operate the facility in accordance with the Technical Specifications and the Environmental Protection Plan.

3. This license amendment is effective as of its date of issuance and shall be implemented within 30 days from the date of issuance.

FOR THE NUCLEAR REGULATORY COMMISSION



Melanie C. Wong, Chief  
Plant Licensing Branch II-1  
Division of Operating Reactor Licensing  
Office of Nuclear Reactor Regulation

Attachment:  
Changes to Renewed Facility  
Operating License No. NPF-5  
and the Technical Specifications

Date of Issuance: October 2, 2008

ATTACHMENT TO LICENSE AMENDMENT NO. 203  
RENEWED FACILITY OPERATING LICENSE NO. NPF-5  
DOCKET NO. 50-366

Replace the following pages of the License and the Appendix A Technical Specifications (TSs) with the attached revised pages. The revised pages are identified by amendment number and contain marginal lines indicating the areas of change.

Remove Pages

License  
Page 4

TSs  
3.8-3  
3.8-4  
3.8-5  
3.8-6

Insert Pages

License  
Page 4

TSs  
3.8-3  
3.8-4  
3.8-5  
3.8-6

- (6) Southern Nuclear, pursuant to the Act and 10 CFR Parts 30 and 70, to possess, but not separate, such byproduct and special nuclear materials as may be produced by the operation of the facility.
- C. This renewed license shall be deemed to contain, and is subject to, the conditions specified in the following Commission regulations in 10 CFR Chapter I: Part 20, Section 30.34 of Part 30, Section 40.41 of Part 40, Section 50.54 of Part 50, and Section 70.32 of Part 70; all applicable provisions of the Act and the rules, regulations, and orders of the Commission now or hereafter in effect; and the additional conditions<sup>2</sup> specified or incorporated below:
- (1) Maximum Power Level
- Southern Nuclear is authorized to operate the facility at steady state reactor core power levels not in excess of 2,804 megawatts thermal, in accordance with the conditions specified herein.
- (2) Technical Specifications
- The Technical Specifications (Appendix A) and the Environmental Protection Plan (Appendix B), as revised through Amendment No. \_\_\_\_\_, are hereby incorporated in the renewed license. Southern Nuclear shall operate the facility in accordance with the Technical Specifications and the Environmental Protection Plan.
- (3) Additional Conditions
- The matters specified in the following conditions shall be completed to the satisfaction of the Commission within the stated time periods following the issuance of the renewed license or within the operational restrictions indicated. The removal of these conditions shall be made by an amendment to the license supported by a favorable evaluation by the Commission.
- (a) Fire Protection
- Southern Nuclear shall implement and maintain in effect all provisions of the fire protection program, which is referenced in the the Updated Final Safety Analysis Report for the facility, as contained

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<sup>2</sup> The original licensee authorized to possess, use, and operate the facility was Georgia Power Company (GPC). Consequently, certain historical references to GPC remain in certain license conditions.

ACTIONS

CONDITION	REQUIRED ACTION	COMPLETION TIME
B. (continued)	<p>B.2 Declare required feature(s), supported by the inoperable DG, inoperable when the redundant required feature(s) are inoperable.</p>	<p>4 hours from discovery of Condition B concurrent with inoperability of redundant required feature(s)</p>
	<p><u>AND</u></p>	
	<p>B.3.1 Determine OPERABLE DG(s) are not inoperable due to common cause failure.</p>	<p>24 hours</p>
	<p><u>OR</u></p>	
	<p>B.3.2 Perform SR 3.8.1.2.a for OPERABLE DG(s)</p>	<p>24 hours</p>
	<p><u>AND</u></p>	
	<p>B.4 Restore DG to OPERABLE status.</p>	<p>72 hours for a Unit 2 DG with the swing DG not inhibited or maintenance restrictions not met</p> <p><u>AND</u></p> <p>14 days for a Unit 2 DG with the swing DG inhibited from automatically aligning to Unit 1 and maintenance restrictions met</p> <p><u>AND</u></p> <p>72 hours for the swing diesel with maintenance restrictions not met</p> <p style="text-align: right;">(continued)</p>



ACTIONS

CONDITION	REQUIRED ACTION	COMPLETION TIME
B. (continued)	B.4 (continued)	<p><u>AND</u></p> <p>14 days for the swing diesel with maintenance restrictions met</p> <p><u>AND</u></p> <p>17 days from discovery of failure to meet LCO 3.8.1.a, b, or c</p>
C. One required Unit 1 DG inoperable.	<p>C.1 Perform SR 3.8.1.1 for OPERABLE required offsite circuit(s).</p> <p><u>AND</u></p> <p>C.2 Declare required feature(s), supported by the inoperable DG, inoperable when the redundant required feature(s) are inoperable.</p> <p><u>AND</u></p> <p>C.3.1 Determine OPERABLE DG(s) are not inoperable due to common cause failure.</p> <p><u>OR</u></p> <p>C.3.2 Perform SR 3.8.1.2.a for OPERABLE DG(s).</p>	<p>1 hour</p> <p><u>AND</u></p> <p>Once per 8 hours thereafter</p> <p>4 hours from discovery of Condition C concurrent with inoperability of redundant required feature(s)</p> <p>24 hours</p> <p>24 hours</p> <p>(continued)</p>

ACTIONS

CONDITION	REQUIRED ACTION	COMPLETION TIME
<p>C. (continued)</p>	<p><u>AND</u></p> <p>C.4 Restore required DG to OPERABLE status.</p>	<p>7 days with the swing DG not inhibited or maintenance restrictions not met</p> <p><u>AND</u></p> <p>14 days with the swing DG inhibited from automatically aligning to Unit 2 and maintenance restrictions met</p>
<p>D. Two or more required offsite circuits inoperable.</p>	<p>D.1 Declare required feature(s) with no offsite power available inoperable when the redundant required feature(s) are inoperable.</p> <p><u>AND</u></p> <p>D.2 Restore all but one required offsite circuit to OPERABLE status.</p>	<p>12 hours from discovery of Condition D concurrent with inoperability of redundant required feature(s)</p> <p>24 hours</p>
<p>E. One required offsite circuit inoperable.</p> <p><u>AND</u></p> <p>One required DG inoperable.</p>	<p>-----NOTE----- Enter applicable Conditions and Required Actions of LCO 3.8.7, "Distribution Systems - Operating," when Condition E is entered with no AC power source to one 4160 V ESF bus. -----</p> <p>E.1 Restore required offsite circuit to OPERABLE status.</p>	<p>12 hours</p>

ACTIONS (continued)

CONDITION	REQUIRED ACTION	COMPLETION TIME
E. (continued)	<u>OR</u> E.2 Restore required DG to	12 hours
F. Two or more (Unit 2 and swing) DGs inoperable.	F.1 Restore all but one Unit 2 and swing DGs to OPERABLE status.	2 hours
G. No DGs capable of supplying power to any Unit 2 LPCI valve load center.	G.1 Restore one DG capable of supplying power to Unit 2 LPCI valve load center to OPERABLE status.	2 hours
H. Required Action and Associated Completion Time of Condition A, B, C, D, E, F, or G not met.	H.1 Be in MODE 3. <u>AND</u> H.2 Be in MODE 4.	12 hours  36 hours
I. One or more required offsite circuits and two or more required DGs inoperable.  <u>OR</u> Two or more required offsite circuits and one required DG inoperable.	I.1 Enter LCO 3.0.3.	Immediately



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D.C. 20555-0001

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION

RELATED TO

AMENDMENT NO. 259 TO RENEWED FACILITY OPERATING LICENSE NO. DPR-57

AND

AMENDMENT NO. 203 TO RENEWED FACILITY OPERATING LICENSE NO. NPF-5

SOUTHERN NUCLEAR OPERATING COMPANY, INC.

EDWIN I. HATCH NUCLEAR PLANT, UNIT NOS. 1 AND 2

DOCKET NOS. 50-321 AND 50-366

1.0 INTRODUCTION

By application dated October 5, 2007 to the U.S. Nuclear Regulatory Commission (NRC) (Agencywide Documents and Management System (ADAMS) Accession No. ML072820115), Southern Nuclear Operating Company, Inc. (SNC, the licensee), requested changes to the Technical Specifications (TSs) for the Edwin I. Hatch Nuclear Plant, Unit Nos. 1 and 2 (HNP).

The proposed changes would revise the TSs Completion Time (CT) requirements related to an inoperable emergency diesel generator (DG). Specifically, the licensee proposed to modify the CTs for TS Limiting Condition of Operation (LCO) 3.8.1, Conditions B and C, by specifying when maintenance restrictions need to be met and by adding a 72-hour CT for the swing DG 1B.

2.0 REGULATORY EVALUATION

The NRC staff used the following NRC requirements, guidance, and documents to review the licensee amendment request:

10 CFR Part 50 includes the NRC's requirement that TS shall be included by applicants for a license authorizing operation of a production or utilization facility. 10 CFR 50.36 (d) requires that TS include items in five specific categories related to station operation. These categories are (1) safety limits, limiting safety system settings, and limiting control settings; (2) LCOs; (3) surveillance requirements (SRs); (4) design features; and (5) administrative controls. The proposed change to TS 3.8.1 is within category 2.

General Design Criterion (GDC) 17, "Electric Power Systems," of Appendix A, "General Design Criteria for Nuclear Power Plants," to Title 10, Part 50, of the *Code of Federal Regulations* (10 CFR Part 50), "Domestic Licensing of Production and Utilization Facilities" requires that onsite electric power systems have sufficient independence, capacity, capability, redundancy, and testability to ensure that (1) specified acceptable nuclear fuel design limits and design conditions of the reactor coolant pressure boundary are not exceeded as a result of anticipated operational

occurrences, and (2) the core is cooled and containment integrity and other vital functions are maintained in the event of postulated accidents, assuming a single failure.

GDC 18, "Inspection and Testing of Electric Power Systems," of Appendix A to 10 CFR Part 50 requires that electric power systems important to safety be designed to permit appropriate periodic inspection and testing to assess the continuity of the systems and the condition of their components.

10 CFR 50.65, "Requirements for monitoring the effectiveness of maintenance at nuclear power plants," requires that preventive maintenance activities must not reduce the overall availability of the systems, structures, and components.

NRC Regulatory Guide (RG) 1.93, "Availability of Electric Power Sources," dated December 1974, describes operating procedures and restrictions acceptable to the NRC staff which should be implemented if the available electric power sources are less than the LCO.

### 3.0 TECHNICAL EVALUATION

#### 3.1 Design Considerations

LCO 3.8.1 of the Unit 1 and 2 Hatch TS contains the operating LCO, Conditions, Required Actions, and CTs for the alternating current (AC) electrical system including the DGs. The Hatch Plant has a total of six safety related 4 kilovolt (kV) emergency electrical busses and five DGs which supply those busses with emergency power. The busses are normally supplied from off-site power via two start-up transformers, one normally in service and the other a back-up. Two DGs are dedicated to each unit and one DG can "swing" to either unit. The dedicated DGs 1A and 1C for Unit 1 and 2A and 2C for Unit 2 are not rated to supply a complete train of shutdown equipment. When any of the dedicated EDGs is considered inoperable, the swing DG is aligned to supplement the operating unit to support shutdown loads and maintain compliance with RG 1.93. The primary focus of the TS change request is the swing DG 1B.

#### 3.2 Evaluation

The licensee proposed to amend Conditions B and C of TS LCO 3.8.1 for an inoperable DG by clarifying when maintenance restrictions needed to be met and by adding a 72-hour CT for the swing DG. Specifically, for Condition B, Required Action B.4, the licensee proposed to change the current CT requirement, which states:

"72 hours for a Unit 1[2] DG with the swing DG not inhibited AND 14 days for a Unit 1[2] DG with the swing DG inhibited from automatically aligning to Unit 2[1] AND 14 days for the swing DG AND 17 days from discovery of failure to meet LCO 3.8.1.a, b, or c"

to state:

"72 hours for a Unit 1[2] DG with the swing DG not inhibited or maintenance restrictions not met AND 14 days for a Unit 1[2] DG with the swing DG inhibited from automatically aligning to Unit 2[1] and maintenance restrictions met AND 72 hours for the swing diesel with maintenance restrictions not met AND 14 days for the swing diesel with maintenance restrictions met AND 17 days from discovery of failure to meet LCO 3.8.1.a, b, or c".

For Condition C, Required Action C.4, the licensee proposed to change the current CT requirement, which states:

“7 days with the swing DG not inhibited AND 14 days with the swing DG inhibited from automatically aligning to Unit 1[2]”

to state:

“7 days with the swing DG not inhibited or maintenance restrictions not met AND 14 days with the swing DG inhibited from automatically aligning to Unit 1[2] and maintenance restrictions met”.

The licensee has requested this change because the current TS do not explicitly state that the swing DG can be inoperable for 72 hours with the maintenance restrictions not being met. The amendment also clarifies when the maintenance restrictions need to be met. Regulatory Position C.1 of RG 1.93 states that if the available AC sources are one less than the LCO, power operation may continue for a period that should not exceed 72 hours if the system stability and reserves are such that a subsequent single failure (including a trip of the unit's generator, but excluding an unrelated failure of the remaining offsite circuit if this degraded state was caused by the loss of an offsite source) would not cause total loss of offsite power. If these conditions for continued power operation are met and the affected source is restored within 72 hours, unrestricted operation may resume. If the conditions for continued power operation are met but the source is not restored within 72 hours, the unit should be brought to a cold shutdown state within the next 36 hours.

In Amendment Nos. 231 to DPR-57 and 172 to NPF-5, issued May 17, 2002 (ADAMS Accession No. ML021060531), the NRC staff approved the addition of 14-day CTs for an inoperable DG provided that certain maintenance restrictions were met. DGs 1A, 1C, 2A, and 2C were approved 72-hour CTs without maintenance restrictions, and all DGs (including the swing DG) were approved 14-day CTs provided that maintenance restrictions were in place. These amendments did not address the 72-hour CT without having to meet maintenance restrictions for the swing DG 1B. The licensee's proposed amendment clarifies the CT for the swing DG 1B.

The amendments issued on May 17, 2002 and subsequent changes in the TS have resulted in requiring additional clarifications to the maintenance restrictions for DG 1B. The proposed amendment is reasonable and does not change the intent of the May 17, 2002 amendment with respect to extending the CT to 14 days for the 1A, 1C, 2A, and 2C DGs. The proposed amendment clarifies when the maintenance restrictions need to be implemented for DG 1B.

The proposed amendment requested a more restrictive 72-hour CT for the swing diesel generator. Prior to the May 17, 2002 amendment, the licensee had a 7-day CT without maintenance restrictions having to be met. Therefore, the staff finds the proposed amendment reasonable to allow 72 hours, without maintenance restrictions having to be met, for an unexpected entry into the Required Action or to ensure that the maintenance restrictions can be met in order to apply the 14-day CT.

### 3.3 SUMMARY

The NRC staff has reviewed the licensee's proposed TS changes and supporting documentation. Based on the evaluation discussed above, the NRC staff determined that the proposed amendment to TS 3.8.1 is acceptable because the facility will continue to be operated in

accordance with RG 1.93 and the requirements of 10 CFR 50.36(d) and meet the intent of Amendments 231 to DPR-57 and 172 to NPF-5.

#### 4.0 STATE CONSULTATION

In accordance with the Commission's regulations, the Georgia State official was notified of the proposed issuance of the amendment. The State official had no comments.

#### 5.0 ENVIRONMENTAL CONSIDERATION

The amendments change surveillance requirements. The NRC staff determined that the amendments involve no significant increase in the amounts and no significant change in the types of any effluents that may be released offsite and that there is no significant increase in individual or cumulative occupational radiation exposure. The Commission has previously issued a proposed finding that the amendments involve no significant hazards consideration, and there has been no public comment on such finding (November 6, 2007, 72 FR 62691). Accordingly, the amendments meet 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 or environmental assessment need be prepared in connection with the issuance of the amendments.

#### 6.0 CONCLUSION

The Commission has concluded, based on the considerations discussed above, that: (1) there is reasonable assurance that the health and safety of the public will not be endangered by operation in the proposed manner, (2) such activities will be conducted in compliance with the Commission's regulations, and (3) the issuance of the amendments will not be inimical to the common defense and security or to the health and safety of the public.

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