

May 14, 2008

Mr. William Levis
President & Chief Nuclear Officer
PSEG Nuclear LLC - N09
Post Office Box 236
Hancocks Bridge, NJ 08038

SUBJECT: HOPE CREEK GENERATING STATION - ISSUANCE OF AMENDMENT RE:
EXTENDED POWER UPRATE (TAC NO. MD3002)

Dear Mr. Levis:

The Commission has issued the enclosed Amendment No. 174 to Facility Operating License No. NPF-57 for the Hope Creek Generating Station. This amendment consists of changes to the Facility Operating License and the Technical Specifications (TSs) in response to your application dated September 18, 2006,¹ as supplemented by additional letters.² The amendment increases the authorized maximum power level by approximately 15 percent, from the current licensed thermal power of 3,339 megawatts thermal (MWT) to 3,840 MWT.

The NRC has determined that the related safety evaluation (SE) contains proprietary information pursuant to Title 10 of the *Code of Federal Regulations*, Section 2.390, "Public Inspections, Exemptions, Requests for Withholding." Accordingly, the NRC staff has also prepared a redacted, publicly-available, non-proprietary version of the SE. Copies of the proprietary and non-proprietary versions of the SE are enclosed.

1 Agencywide Documents Access and Management System (ADAMS) Accession Number ML062680451
2 October 10, 2006 (ML062920092); October 20, 2006 (ML063110164); February 14, 2007 (ML070530099); February 16, 2007 (ML070590182); February 28, 2007 (ML070680314); March 13, 2007 (ML070790508 & ML070810360); March 22, 2007 (ML070930442); March 30, 2007 (ML071010243 & ML070960103); April 13, 2007 (ML071140157); April 18, 2007 (ML071160121); April 30, 2007 (ML071290559); May 10 (ML071360375); May 18, 2007 (ML071500294, ML071720368, & ML071500317); May 24, 2007 (ML071630305); June 22, 2007 (ML071840167); July 12, 2007 (ML072110215); August 3, 2007 (ML072250369); August 17, 2007 (ML072480515); August 27, 2007 (ML072480570); August 31, 2007 (ML072540651); September 11, 2007 (ML072640410); October 10, 2007 (ML080580475); October 23, 2007 (ML073040393); November 15, 2007 (ML073320601); November 30, 2007 (ML073460793); December 31, 2007 (ML080080577); January 14, 2008 (ML080230069); January 15, 2008 (ML080250028); January 16, 2008 (ML080290663); January 18, 2008 (ML080280531); January 25, 2008 (ML080360467); January 30, 2008 (ML080420468); March 18, 2008 (ML080860477 & ML080870082); and May 2, 2008 (ML081270387)

W. Levis

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Notice of Issuance will be included in the Commission's biweekly *Federal Register* notice.

Sincerely,

/ra/

John G. Lamb, Senior Project Manager
Plant Licensing Branch I-2
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

Docket No. 50-354

Enclosures:

1. Amendment No. 174 to License No. NPF-57
2. Non-Proprietary Safety Evaluation (ML081230640)
3. Non-Proprietary Appendix A (ML081230648)
4. Proprietary Safety Evaluation (ML073050337)
5. Proprietary Appendix A (ML081270714)

cc w/encls 1, 2, and 3: See next page

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Sincerely,

/ra/

John G. Lamb, Senior Project Manager
 Plant Licensing Branch I-2
 Division of Operating Reactor Licensing
 Office of Nuclear Reactor Regulation

Docket No. 50-354

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3. Non-Proprietary Appendix A (ML081230648)
4. Proprietary Safety Evaluation (ML073050337)
5. Proprietary Appendix A (ML081270714)

cc w/encls 1, 2, and 3: See next page

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Package Accession No.: ML081230540; Amendment Accession No: ML081230581;
 TS Accession No.: ML081230600 & ML081230623 * via e-mail

OFFICE	LPL1-2/PM	LPL1-2/LA	EEEB/BC	EICB/BC	SBPB/BC	CVIB/BC	SCVB/BC
NAME	JLamb	ABaxter	RMatthew* for GWilson	WKemper*	DHarrison*	MMitchell*	RDennig*
DATE	05/05/08	05/06/08	04/18/08	04/23/08	04/23/08	04/17/08	04/23/08
OFFICE	AADB/BC	AFPB/BC	APLA/BC	CSGB/BC	CPNB/BC	CPTB/BC	EMCB/BC
NAME	RTaylor*	AKlein*	MRubin*	AHiser*	JTsoa* for TChan	JMcHale*	KManoly
DATE	04/23/08	04/23/08	04/23/08	04/24/08	04/24/08	04/23/08	05/02/08
OFFICE	SNPB/BC	IOLB/BC	SRXB/BC	OGC - NLO	LPL1-2/BC	DORL/D	NRR/D
NAME	AMendiola*	NSalgado*	GCranston*	DRoth	HChernoff	CHaney	ELeeds
DATE	04/23/08	04/23/08	04/21/08	05/07/08	5/9/08	05/06/08	5/14/08

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Hope Creek Generating Station

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PSEG NUCLEAR LLC

DOCKET NO. 50-354

HOPE CREEK GENERATING STATION

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 174
License No. NPF-57

1. The Nuclear Regulatory Commission (the Commission) has found that:
 - A. The application for amendment filed by PSEG Nuclear LLC dated September 18, 2006,¹ as supplemented by additional letters,² 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 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 amended by changes to the Operating License and Technical Specifications as indicated in the attachment to this license amendment, and paragraph 2.C.(2) of Facility Operating License No. NPF-57 is hereby amended to read as follows:

¹ Agencywide Documents Access and Management System (ADAMS) Accession Number ML062680451
2 October 10, 2006 (ML062920092); October 20, 2006 (ML063110164); February 14, 2007 (ML070530099); February 16, 2007 (ML070590182); February 28, 2007 (ML070680314); March 13, 2007 (ML070790508 & ML070810360); March 22, 2007 (ML070930442); March 30, 2007 (ML071010243 & ML070960103); April 13, 2007 (ML071140157); April 18, 2007 (ML071160121); April 30, 2007 (ML071290559); May 10 (ML071360375); May 18, 2007 (ML071500294, ML071720368, & ML071500317); May 24, 2007 (ML071630305); June 22, 2007 (ML071840167); July 12, 2007 (ML072110215); August 3, 2007 (ML072250369); August 17, 2007 (ML072480515); August 27, 2007 (ML072480570); August 31, 2007 (ML072540651); September 11, 2007 (ML072640410); October 10, 2007 (ML080580475); October 23, 2007 (ML073040393); November 15, 2007 (ML073320601); November 30, 2007 (ML073460793); December 31, 2007 (ML080080577); January 14, 2008 (ML080230069); January 15, 2008 (ML080250028); January 16, 2008 (ML080290663); January 18, 2008 (ML080280531); January 25, 2008 (ML080360467); January 30, 2008 (ML080420468); March 18, 2008 (ML080860477 & ML080870082); and May 2, 2008 (ML081270387).

(2) Technical Specifications and Environmental Protection Plan

The Technical Specifications contained in Appendix A, as revised through Amendment No. 174, and the Environmental Protection Plan contained in Appendix B, are hereby incorporated into the license. PSEG Nuclear LLC shall operate the facility in accordance with the Technical Specifications and the Environmental Protection Plan.

3. The license amendment is effective as of its date of issuance and shall be implemented within 60 days. As part of implementation, the FSAR shall be updated to incorporate by reference the program for verifying the continued structural integrity of the steam dryer discussed in License Condition 2.C.(22).

FOR THE NUCLEAR REGULATORY COMMISSION

/ra/

Eric J. Leeds, Director
Office of Nuclear Reactor Regulation

Attachment:
Changes to the Facility Operating License
and the Technical Specifications

Date of Issuance: May 14, 2008

ATTACHMENT TO LICENSE AMENDMENT NO. 174

FACILITY OPERATING LICENSE NO. NPF-57

DOCKET NO. 50-354

Replace the following page of Facility Operating License No. NPF-57 with the attached revised pages as indicated. The revised pages are identified by amendment number and contain marginal lines indicating the areas of change.

Remove

Page 3
Page 5
Page 8
Page 9
Page 10

Insert

Page 3
Page 5
Page 8
Page 9
Page 10
Page 11
Page 12
Page 13
Page 14

Replace the following pages of the Appendix A, Technical Specifications, with the attached revised pages as indicated. The revised pages are identified by amendment number and contain marginal lines indicating the areas of change.

Remove

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Page 2-1
Page 2-4
Page 3/4 1-16
Page 3/4 2-1
Page 3/4 2-3
Page 3/4 2-5
Page 3/4 3-5
Page 3/4 3-8
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Page 3/4 3-59
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Page 3/4 4-2a
Page 3/4 4-4
Page 3/4 6-2
Page 3/4 6-4
Page 3/4 7-21
Page 3/4 10-2
Page 6-16b

Insert

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