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

May 1, 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 - TRANSMITTAL OF REVISED DRAFT
SAFETY EVALUATION - EXTENDED POWER UPRATE (TAC NO. MD3002)

Dear Mr. Levis:

By letter dated September 18, 2006,¹ as supplemented by additional letters,² PSEG Nuclear, LLC (PSEG or the licensee) submitted an amendment request for an extended power uprate (EPU) for the Hope Creek Generating Station (Hope Creek). The proposed amendment would increase 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.

By letters dated February 28, 2008, and March 3, 2008 (ADAMS Accession Nos. ML080450616 and ML080580134, respectively), the U.S. Nuclear Regulatory Commission (NRC) sent you a draft safety evaluation (SE) to review for proprietary markings, because it contained proprietary information pursuant to Title 10 of the *Code of Federal Regulations*, Section 2.390.

By letter dated March 18, 2008 (ADAMS Accession No. ML080870082), PSEG provided comments regarding the proprietary content in the draft SE.

Enclosures 1 and 2 transmitted herewith contain Official Use Only – Proprietary Information. When separated from Enclosures 1 and 2, this document is decontrolled.

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); and March 18, 2008 (ML080860477 & ML080870082).

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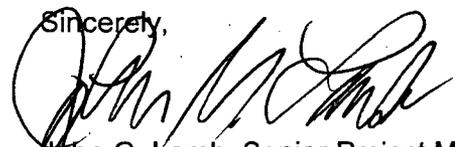
- 2 -

Enclosures 1 and 2 are the revised draft SE (proprietary version) that the NRC staff has prepared to support the proposed Hope Creek EPU license amendment based on the PSEG comments. Enclosures 1 and 2 of the revised draft SE are being withheld from public disclosure at this time, because it contains proprietary information pursuant to Title 10 of the *Code of Federal Regulations*, Section 2.390. Enclosures 3 and 4 are the revised draft SE (non-proprietary version) which will be made available to the public.

The NRC staff requests that PSEG provide comments regarding the factual accuracy of the information in the revised draft SE, as soon as possible, if necessary.

If you have any questions, please contact me at (301) 415-3100.

Sincerely,



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: Revised Draft SE (proprietary version)
- 2: Appendix A of the Revised Draft SE (proprietary version)
- 3: Revised Draft SE (non-proprietary version)
- 4: Appendix A of the Revised Draft SE (non-proprietary version)

cc: w/o Enclosures 1 and 2: See next page

Hope Creek Generating Station

cc:

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- 2 -

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The NRC staff requests that PSEG provide comments regarding the factual accuracy of the information in the revised draft SE, if necessary, by May 2, 2008.

If you have any questions, please contact me at (301) 415-3100.

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: Revised Draft SE (proprietary version)
- 2: Appendix A of the Revised Draft SE (proprietary version)
- 3: Revised Draft SE (non-proprietary version)
- 4: Appendix A of the Revised Draft SE (non-proprietary version)

cc: w/o Enclosures 1 and 2: See next page

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ADAMS Accession Nos:

Package: ML081230046
 Letter: ML081120264 (non-publicly available) ML081230060 (publicly available)
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