



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

January 25, 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 - REQUEST FOR ADDITIONAL
INFORMATION REGARDING REQUEST FOR EXTENDED POWER UPRATE
(TAC NO. MD3002)

Dear Mr. Levis:

By letter dated September 18, 2006, as supplemented by letters dated October 10 and October 20, 2006, February 14, February 16, February 28, March 13 (2 letters), March 22, March 30 (2 letters), April 13, April 18, April 30, May 10, May 18 (3 letters), May 24, June 22, July 12, August 3, August 17 (2 letters), August 27, August 31, September 11, October 10, October 23, November 15, November 30, and December 31, 2007, January 14, January 15, January 16, and January 18, 2008, 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 3,339 megawatts thermal (MWt) to 3,840 MWt.

The Nuclear Regulatory Commission (NRC) staff has been reviewing the submittal and has determined that additional information is needed to complete its review. The specific questions are found in the enclosed request for additional information (RAI). The questions were sent by e-mail to your staff on January 23, 2008, and were discussed on a phone call on January 22, 2008, to ensure that the questions were understandable, the regulatory basis was clear and to determine if the information was previously docketed. The NRC staff has determined that the RAI contains proprietary information pursuant to Section 2.390 of Title 10 of the *Code of Federal Regulations* (10 CFR). As such, we have enclosed non-proprietary and proprietary versions of the RAI (Enclosures 1 and 2, respectively).

Mr. Paul Duke of your staff agreed to respond by January 25, 2008, to questions RAI 14.79 - third follow-up and RAI 14.120(f) – second follow-up and will get back to the staff with a date for RAI 14.120(e) – second follow-up.

**Enclosure 2 transmitted herewith
contains Official Use Only – Proprietary
Information. When separated from
Enclosure 2, this document is
decontrolled.**

W. Levis

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Please note that if you do not respond to this letter within the prescribed response times or provide an acceptable alternate date in writing, we may reject your application for amendment under the provisions of 10 CFR, Part 2, Section 2.108. If you have any questions, I can be reached at (301) 415-3100.

Sincerely,



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

Docket No. 50-354

Enclosures:

1. Non-proprietary RAI
2. Proprietary RAI

cc w/encl. 1 only: See next page

Hope Creek Generating Station

cc:

Mr. Thomas Joyce
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PSEG Nuclear
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Mr. Michael Gaffney
Manager - Hope Creek Regulatory
Assurance
PSEG Nuclear
P.O. Box 236
Hancocks Bridge, NJ 08038

Mr. Dennis Winchester
Vice President - Nuclear Assessment
PSEG Nuclear
P.O. Box 236
Hancocks Bridge, NJ 08038

Township Clerk
Lower Alloways Creek Township
Municipal Building, P.O. Box 157
Hancocks Bridge, NJ 08038

Mr. Carl Fricker
Vice President - Operations Support
PSEG Nuclear
P.O. Box 236
Hancocks Bridge, NJ 08038

Mr. Paul Bauldauf, P.E., Asst. Director
Radiation Protection Programs
NJ Department of Environmental
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Mr. John Perry
Plant Manager - Hope Creek
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Mr. Brian Beam
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Mr. James Mallon
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Mr. Jeffrie J. Keenan, Esquire
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Senior Resident Inspector
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Drawer 0509
Hancocks Bridge, NJ 08038

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

W. Levis

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Sincerely,

/ra/

John G. Lamb, Senior Project Manager
Project Directorate I-2
Division of Operating Reactor Licensing
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- 1. Non-proprietary RAI
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cc w/encl 1 only: See next page

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 Enclosure 1: ML080250067
 Enclosure 2: ML080250074

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