

July 16, 2003

Mr. Roy A. Anderson
President & Chief Nuclear Officer
PSEG Nuclear, LLC - X04
Post Office Box 236
Hancocks Bridge, NJ 08038

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION - HOPE CREEK GENERATING
STATION - AMENDMENT REQUEST FOR CHANGE TO REACTOR MATERIAL
SURVEILLANCE PROGRAM (TAC NO. MB7151)

Dear Mr. Anderson:

By letter dated December 23, 2002, PSEG Nuclear, LLC submitted an application for a license amendment for Hope Creek Generating Station (Hope Creek). The proposed amendment would revise the Hope Creek licensing basis, as described in the Updated Final Safety Analysis Report, to replace the current plant-specific reactor pressure vessel material surveillance program with the Boiling Water Reactor Vessel and Internals Project Integrated Surveillance Program.

The U.S. Nuclear Regulatory Commission staff is reviewing your submittal and has determined that additional information is required to complete the review. The specific information requested is addressed in the enclosure. We request that the additional information be provided within 30 days of receipt of this letter. The 30-day response timeframe was discussed with Mr. John Nagle of your staff on July 2, 2003. If circumstances result in the need to revise your response date, or if you have any questions, please contact me at (301) 415-1420.

Sincerely,

/RA/

Richard B. Ennis, Senior Project Manager, Section 2
Project Directorate I
Division of Licensing and Project Management
Office of Nuclear Reactor Regulation

Docket No. 50-354

Enclosure: Request for Additional Information

cc w/encl: See next page

Hope Creek Generating Station

cc:

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Hancocks Bridge, NJ 08038

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Manager - Nuclear Safety and Licensing
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Ms. R. A. Kankus
Joint Owner Affairs
PECO Energy Company
Nuclear Group Headquarters KSA1-E
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Kennett Square, PA 19348

Lower Alloways Creek Township
c/o Mary O. Henderson, Clerk
Municipal Building, P.O. Box 157
Hancocks Bridge, NJ 08038

Dr. Jill Lipoti, Asst. Director
Radiation Protection Programs
NJ Department of Environmental
Protection and Energy
CN 415
Trenton, NJ 08625-0415

Brian Beam
Board of Public Utilities
2 Gateway Center, Tenth Floor
Newark, NJ 07102

Regional Administrator, Region I
U.S. Nuclear Regulatory Commission
475 Allendale Road
King of Prussia, PA 19406

Senior Resident Inspector
Hope Creek Generating Station
U.S. Nuclear Regulatory Commission
Drawer 0509
Hancocks Bridge, NJ 08038

July 16, 2003

Mr. Roy A. Anderson
President & Chief Nuclear Officer
PSEG Nuclear, LLC - X04
Post Office Box 236
Hancocks Bridge, NJ 08038

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION - HOPE CREEK GENERATING STATION - AMENDMENT REQUEST FOR CHANGE TO REACTOR MATERIAL SURVEILLANCE PROGRAM (TAC NO. MB7151)

Dear Mr. Anderson:

By letter dated December 23, 2002, PSEG Nuclear, LLC submitted an application for a license amendment for Hope Creek Generating Station (Hope Creek). The proposed amendment would revise the Hope Creek licensing basis, as described in the Updated Final Safety Analysis Report, to replace the current plant-specific reactor pressure vessel material surveillance program with the Boiling Water Reactor Vessel and Internals Project Integrated Surveillance Program.

The U.S. Nuclear Regulatory Commission staff is reviewing your submittal and has determined that additional information is required to complete the review. The specific information requested is addressed in the enclosure. We request that the additional information be provided within 30 days of receipt of this letter. The 30-day response timeframe was discussed with Mr. John Nagle of your staff on July 2, 2003. If circumstances result in the need to revise your response date, or if you have any questions, please contact me at (301) 415-1420.

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ADAMS Accession Number: ML031830611

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DATE	7/2/03	7/7/03	7/2/03	7/10/03	7/15/03

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REQUEST FOR ADDITIONAL INFORMATION
BY THE OFFICE OF NUCLEAR REACTOR REGULATION
REGARDING PROPOSED AMENDMENT TO TECHNICAL SPECIFICATIONS
REACTOR PRESSURE VESSEL MATERIAL SURVEILLANCE PROGRAM
HOPE CREEK GENERATING STATION
DOCKET NO. 50-354

By letter dated December 23, 2002 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML023650558), PSEG Nuclear, LLC (PSEG) submitted an application for a license amendment for Hope Creek Generating Station (Hope Creek). The proposed amendment would revise the Hope Creek licensing basis, as described in the Updated Final Safety Analysis Report (UFSAR), to replace the current plant-specific reactor pressure vessel (RPV) material surveillance program with the Boiling Water Reactor Vessel and Internals Project (BWRVIP) Integrated Surveillance Program (ISP). The U.S. Nuclear Regulatory Commission (NRC) staff is reviewing your submittal and has determined that the following additional information is required to complete the review.

1. Attachment 1 of your application dated December 23, 2002, stated that in a letter dated March 29, 2002 (ADAMS Accession No. ML021010214), PSEG committed to update fluence calculations in accordance with Regulatory Guide (RG) 1.190 by May 1, 2005. The commitment in the letter dated March 29, 2002, reads as follows:

Based on approval of this request, new pressure-temperature limit curves will be submitted as part of the Hope Creek extended power uprate utilizing the methodology of Regulatory Guide 1.190. Submittal of the technical specification changes are targeted for May 2003 with implementation of the extended power uprate in the Fall 2004 outage.

In addition, PSEG's letter dated May 29, 2003 (ADAMS Accession No. ML031620164), stated that the extended power uprate submittal is scheduled for September 2003. Please clarify the date of the commitment to update the fluence calculations in accordance with RG 1.190.

2. The NRC staff's letter dated February 1, 2002 (ADAMS Accession No. ML020380691), and the associated Safety Evaluation, provided the staff's approval of the BWRVIP ISP and specified the conditions for BWR licensees' participation in the ISP. The staff concluded that the BWRVIP ISP is acceptable for BWR licensee implementation provided that the licensee use one or more compatible neutron fluence methodologies, acceptable to the NRC staff to determine surveillance capsule and RPV neutron fluences. The NRC's letter dated February 1, 2002, also stated that licensees who elect to participate in the program will need to submit a license amendment request to incorporate the ISP into the facility licensing basis.

Enclosure

Attachment 2 of your application dated December 23, 2002, provided the proposed changes to the Hope Creek UFSAR that would be incorporated as a result of the amendment request. However, the proposed changes do not show the methodology that will be used. The UFSAR markup should be revised to reflect that the methodology used to perform the fluence calculations will be consistent with RG 1.190.