Mr. Harold W. Keiser Chief Nuclear Officer & President PSEG Nuclear LLC - X04 Post Office Box 236 Hancocks Bridge, NJ 08038

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION, LICENSE AMENDMENT

REQUEST TO INCREASE POWER LEVEL BY 1.4 PERCENT, HOPE CREEK

GENERATING STATION (TAC NO. MB0644)

Dear Mr. Keiser:

In a letter dated December 1, 2000, as supplemented on February 12, 2001, PSEG Nuclear LLC submitted a license amendment request to increase the Hope Creek Generating Station power level by 1.4 percent.

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. Brian Thomas of your staff on April 19, 2001. 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, Project Manager, Section 2 Project Directorate I Division of Licensing Project Management Office of Nuclear Reactor Regulation

Docket No. 50-354

Enclosure: Request for Additional Information

cc w/encl: See next page

Mr. Harold W. Keiser Chief Nuclear Officer & President PSEG Nuclear LLC - X04 Post Office Box 236 Hancocks Bridge, NJ 08038

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION, LICENSE AMENDMENT

REQUEST TO INCREASE POWER LEVEL BY 1.4 PERCENT, HOPE CREEK

GENERATING STATION (TAC NO. MB0644)

Dear Mr. Keiser:

In a letter dated December 1, 2000, as supplemented on February 12, 2001, PSEG Nuclear LLC submitted a license amendment request to increase the Hope Creek Generating Station power level by 1.4 percent.

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. Brian Thomas of your staff on April 19, 2001. 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, Project Manager, Section 2 Project Directorate I Division of Licensing Project Management Office of Nuclear Reactor Regulation

Docket No. 50-354

Enclosure: Request for Additional Information

cc w/encl: See next page

DISTRIBUTION:

PUBLICOGCCWuPDI-2 ReadingACRSBMarcusSBlackGMeyer, RGN-ILLoisJCliffordDSkeenJLeeTClarkEAndruszkiewiczEAdensam

REnnis ZAbdullahi LBerry TKim

Filename: C:\rai2 mb0644.wpd Accession No.: ML011160129

OFFICE	PDI-2/PM	PDI-2/LA	PDI-2/SC				
NAME	REnnis	TClark	JClifford				
DATE	4/23/01	4/23/01	4/26/01	/	/01	/	/01

OFFICIAL RECORD COPY

Hope Creek Generating Station

CC:

Jeffrie J. Keenan, Esquire PSEG Nuclear - N21 P.O. Box 236 Hancocks Bridge, NJ 08038

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

Mr. Mark B. Bezilla Vice President - Technical Support PSEG Nuclear - X10 P.O. Box 236 Hancocks Bridge, NJ 08038

Mr. David F. Garchow Vice President - Operations PSEG Nuclear - X10 P.O. Box 236 Hancocks Bridge, NJ 08038

Mr. Gabor Salamon Manager - Licensing PSEG Nuclear - N21 P.O. Box 236 Hancocks Bridge, NJ 08038

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

Dr. Jill Lipoti, Asst. Director Radiation Protection Programs NJ Department of Environmental Protection and Energy CN 415 Trenton, NJ 08625-0415 Richard Hartung Electric Service Evaluation Board of Regulatory Commissioners 2 Gateway Center, Tenth Floor Newark, NJ 07102

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

Mr. Elbert Simpson Senior Vice President & Chief Administrative Officer PSEG Nuclear - N19 P.O. Box 236 Hancocks Bridge, NJ 08038

Ms. R. A. Kankus Joint Owner Affairs PECO Energy Company Nuclear Group Headquarters KSA1-E 200 Exelon Way Kennett Square, PA 19348

Mr. Carter Kresge External Operations - Nuclear Conectiv P.O. Box 6066 Newark, DE 19714-6066

REQUEST FOR ADDITIONAL INFORMATION

LICENSE AMENDMENT REQUEST TO INCREASE POWER LEVEL BY 1.4 PERCENT HOPE CREEK GENERATING STATION

The following question pertains to the PSEG Nuclear LLC submittal dated December 1, 2000, for Hope Creek Generating Station (HCGS).

- 1. Attachment 1, Section 9.3, of the submittal provides the justification for the requested power uprate with respect to the design of the Standby Liquid Control (SLC) system. Attachment 1, Section 14.5 of the submittal provides justification for the requested power uprate with respect to the ability to mitigate the consequences of anticipated transients without scram (ATWS). Your submittal states that the capability of the SLC system to provide its backup shutdown and ATWS functions is not affected by the power uprate. Please provide the following additional information:
 - a) With respect to the HCGS reload analysis, confirm that the ATWS analysis is bounded by the uprated power level of 101.4 percent.
 - b) Confirm that the MSIV closure transient is the ATWS event for HCGS that yields the maximum pressure during the timeframe for which the SLC system is assumed to inject. Discuss the design basis assumptions and analysis regarding the capability of the SLC system to inject during an ATWS event.

The regulatory basis for this question is that the proposed power uprate does not affect the ability of the SLC system to continue to meet the requirements of 10 CFR 50.62(c)(4).