

April 26, 2001

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

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OFFICIAL RECORD COPY

Hope Creek Generating Station

cc:

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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).

Enclosure