PSEG Nuclear LLC
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NOV 07 2005

PSEG
Nuclear LLC

LR-N05-0331
LCR H05-01

U.S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, DC 20555

SUPPLEMENT NO. 4 TO REQUEST FOR LICENSE AMENDMENT
EXTENDED POWER UPRATE
FUEL TRANSITION REPORTS
HOPE CREEK GENERATING STATION
FACILITY OPERATING LICENSE NPF-57
DOCKET NO. 50-354

References: 1) PSEG letter LR-N05-0258, Request for License Amendment: Extended Power Uprate, November 7, 2005

2) NRC Letter to GE Nuclear Energy, Review of Extended Power Uprates for Boiling Water Reactors, June 25, 2003

By the Reference 1 letter, PSEG Nuclear LLC (PSEG) requested an amendment to Facility Operating License NPF-57 and the Technical Specifications (TS) for the Hope Creek Generating Station to increase the maximum authorized power level to 3840 megawatts thermal (MWt).

In the Reference 2 letter, the NRC described additional plant-specific information to be submitted by licensees applying for extended power uprate (EPU) with a mixed core. PSEG plans to implement the extended power uprate (EPU) with a mixed core.

In accordance with the guidance in Reference 2, PSEG is providing the attached reports in support of the NRC's review of the proposed amendment. The report in Attachment 1 summarizes the results of fuel dependent analyses and evaluations applicable to Current Licensed Thermal Power operation for Hope Creek mixed cores of GE14 and SVEA 96+ fuel up to and including a full core of GE 14. The report in Attachment 2 summarizes the results of the same fuel dependent analyses and evaluations for a Constant Pressure Power Uprate (CPPU) rated thermal power.

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This letter forwards proprietary information in accordance with 10 CFR 2.390. The balance of this letter may be considered non-proprietary upon removal of Attachments 1 and 2.

Attachments 1 and 2 contain proprietary information as defined by 10 CFR 2.390. General Electric Company (GE), as the owner of the proprietary information, has executed the affidavits included in Attachments 1 and 2, which identify that the attached proprietary information has been handled and classified as proprietary, is customarily held in confidence, and has been withheld from public disclosure. GE requests that the proprietary information be withheld from public disclosure in accordance with the provisions of 10 CFR 2.390 and 9.17. Non-proprietary versions suitable for public disclosure are provided in Attachments 3 and 4.

PSEG has determined that the information contained in this letter and attachments does not alter the conclusions reached in the 10CFR50.92 no significant hazards analysis previously submitted.

If you have any questions or require additional information, please contact Mr. Paul Duke at (856) 339-1466.

I declare under penalty of perjury that the foregoing is true and correct.

Executed on 11-4-05
(date)

George P. Barnes
George P. Barnes
Site Vice President
Hope Creek Generating Station

Attachments (4)

C Mr. S. Collins, Administrator – Region I
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Mr. S. Bailey, Project Manager - Hope Creek
U. S. Nuclear Regulatory Commission
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USNRC Senior Resident Inspector - Hope Creek (X24)

Mr. K. Tosch, Manager IV (without Attachments 1 and 2)
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