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LR-N05-0328  
LCR H05-01

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

**SUPPLEMENT NO. 1 TO REQUEST FOR LICENSE AMENDMENT  
EXTENDED POWER UPRATE  
LOSS OF COOLANT ANALYSIS  
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 Upgrades for Boiling Water Reactors, June 25, 2003
- 3) PSEG letter LR-N04-0378, SAFER/GESTR-LOCA Loss of Coolant Analysis Report, September 3, 2004

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 report in support of the NRC's review of the proposed amendment.

In the Reference 3 letter, PSEG provided a report of the results of the Loss of Coolant Accident (LOCA) analysis for the SVEA 96+ and GE14 fuel types at the Current

*AP01*

***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 Attachment 1.***

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Licensed Thermal Power. The report in Attachment 1 provides the same results for analysis applicable to the Constant Pressure Power Uprate rated thermal power.

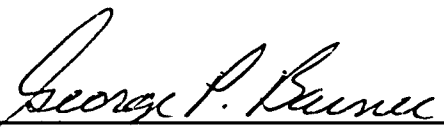
Attachment 1 contains proprietary information as defined by 10 CFR 2.390. GE, as the owner of the proprietary information, has executed the affidavit included in Attachment 1, which identifies that the attached proprietary information has been handled and classified as proprietary, is customarily held 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. A non-proprietary version suitable for public disclosure is provided in Attachment 2.

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 11-04-05  
(date)

  
George P. Barnes  
Site Vice President  
Hope Creek Generating Station

Attachments (2)

C Mr. S. Collins, Administrator – Region I  
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