



10 CFR 50.90

LR-N07-0122  
LCR H05-01, Rev. 1

**MAY 24 2007**

U.S. Nuclear Regulatory Commission  
ATTN: Document Control Desk  
Washington, DC 20555-0001

Hope Creek Generating Station  
Facility Operating License Nos. NPF-57  
NRC Docket No. 50-354

Subject: Supplement to Request for License Amendment  
Extended Power Uprate  
C.D.I. Technical Note No. 07-01

Reference: 1) Letter from George P. Barnes (PSEG Nuclear LLC) to USNRC,  
September 18, 2006

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

In response to an e-mail request by the NRC staff, this letter provides a copy of Continuum Dynamics, Inc. (C.D.I.) Technical Note No. 07-01, "EPU Conditions in the Main Steam Lines at Hope Creek Unit 1: Additional Subscale Four Line Tests."

There are no regulatory commitments contained within this letter.

The Attachment 1 document contains information which Continuum Dynamics, Inc. (C.D.I.) considers to be proprietary. C.D.I. requests that the proprietary information be withheld from public disclosure in accordance with 10 CFR 2.390(a)(4). An affidavit

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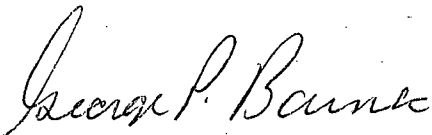
supporting this request is provided in Attachment 1. A non-proprietary version of the document in Attachment 1, suitable for public disclosure, is provided in Attachment 2.

Should you have any questions regarding this submittal, please contact Mr. Paul Duke at 856-339-1466.

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

Executed on 5/24/07  
(date)

Sincerely,



George P. Barnes  
Site Vice President  
Hope Creek Generating Station

Attachments (2)

1. C.D.I. Technical Note No. 07-01P, Rev. 0 (proprietary)
2. C.D.I. Technical Note No. 07-01NP, Rev. 0 (non-proprietary)

cc: S. Collins, Regional Administrator – NRC Region I  
J. Shea, Project Manager - USNRC  
NRC Senior Resident Inspector - Hope Creek  
K. Tosch, Manager IV, NJBNE