



FOL 2.C.(22)2.c
FOL 2.C.(22)2.f
FOL 2.C.(22)6
TS 6.9.1.1

LR-N08-0224
October 27, 2008

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

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

Subject: License Conditions 2.C.(22)2.c, FOL 2.C.(22)2.f, 2.C.(22)6 and Technical Specification 6.9.1.1

Reference: 1) Hope Creek Generating Station - Issuance of Amendment Re:
Extended Power Uprate (TAC No. MD3002)

This letter provides information in accordance with the subject requirements in connection with the license amendment (Reference 1) which increased the authorized maximum power level for the Hope Creek Generating Station to 3,840 megawatts thermal (MWt).

License Condition 2.C.(22)2.c requires:

After reaching 115 percent of 3339 MWt, PSEG Nuclear LLC shall obtain measurements from the MSL-strain gages and establish the steam dryer flow-induced vibration load fatigue margin for the facility, update the dryer stress report, and re-establish the limit curves with the updated ACM load definition; which will be submitted to the NRC staff.

License Condition 2.C.(22)2.f requires:

PSEG Nuclear LLC shall submit the final EPU steam dryer load definition for the facility to the NRC staff upon completion of the power ascension test program.

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License Condition 2.C.(22)6 requires in part:

The results of the power ascension testing to verify the continued structural integrity of the steam dryer shall be submitted to the NRC staff in a report within 60 days following the completion of all Cycle 15 power ascension testing. A supplement shall be submitted within 60 days following the completion of all EPU power ascension testing.

Technical Specification 6.9.1.1 requires submittal of a summary report of plant startup and power escalation testing following amendment to the license involving a planned increase in power level.

The required information is provided in the following attachments which have been updated to reflect operation at 115 percent of 3,339 MWt. Attachment 1 provides the limit curves based on in-plant strain gage data obtained at 115 percent of 3,339 MWt and the minimum stress ratio calculated from the strain gage data. Attachment 2 provides the updated dryer stress report. Attachment 3 provides a summary of power ascension testing, including testing to verify the continued structural integrity of the steam dryer.

Attachments 1 and 2 contain information proprietary to Continuum Dynamics, Inc. (C.D.I.). C.D.I. requests that the proprietary information in Attachments 1 and 2 be withheld from public disclosure in accordance with 10 CFR 2.390(a)(4). An affidavit supporting this request is provided in Attachment 4. Non-proprietary versions of the C.D.I. documents are provided in Attachments 5 and 6.

The information contained in this letter and attachments is provided to comply with the subject requirements. There are no new regulatory commitments contained in this submittal.

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

Sincerely,

A handwritten signature in black ink, appearing to read 'Christine T. Neely', with a large, sweeping flourish extending to the right.

Christine T. Neely
Director - Regulatory Affairs

Attachments (6)

1. C.D.I. Technical Note No. 08-22P, Revision 0 (Proprietary Information)
2. C.D.I. Report No. 08-21P, Revision 1 (Proprietary Information)
3. Extended Power Uprate, Power Ascension Test Report
4. Affidavit for Withholding C.D.I. Technical Note No. 08-22P and C.D.I. Report No. 08-21P from public disclosure
5. C.D.I. Technical Note No. 08-22NP, Revision 0 (Non-Proprietary version)
6. C.D.I. Report No. 08-21NP, Revision 1 (Non-Proprietary version)

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