

Britt T. McKinney
Sr. Vice President & Chief Nuclear Officer

PPL Susquehanna, LLC
769 Salem Boulevard
Berwick, PA 18603
Tel. 570.542.3149 Fax 570.542.1504
btmckinney@pplweb.com



JUL 06 2007

U. S. Nuclear Regulatory Commission
Attn: Document Control Desk
Mail Stop OPI-17
Washington, DC 20555

**SUSQUEHANNA STEAM ELECTRIC STATION
PROPOSED LICENSE AMENDMENT NO. 285
FOR UNIT 1 OPERATING LICENSE NO. NPF-14 AND
PROPOSED LICENSE AMENDMENT NO. 253
FOR UNIT 2 OPERATING LICENSE NO. NPF-22
CONSTANT PRESSURE POWER UPRATE -
SUPPLEMENT
PLA-6237**

**Docket Nos. 50-387
and 50-388**

- References:*
- 1) *PPL Letter PLA-6076, B. T. McKinney (PPL) to USNRC,
"Proposed License Amendment Numbers 285 for Unit 1
Operating License No. NPF-14 and 253 for Unit 2 Operating License
No. NPF-22 Constant Pressure Power Uprate," dated October 11, 2006.*
 - 2) *PPL Letter PLA-6146 Letter, B. T. McKinney (PPL) to USNRC,
"Supplement to Proposed License Amendment Numbers 285 for Unit 1
Operating License No. NPF-14 and 253 for Unit 2 Operating License
No. NPF-22: Constant Pressure Power Uprate," dated December 26, 2006.*

Pursuant to 10 CFR 50.90, PPL Susquehanna LLC (PPL) requested in Reference 1 approval of amendments to the Susquehanna Steam Electric Station (SSES) Unit 1 and Unit 2 Operating Licenses (OLs) and Technical Specifications (TS) to increase the maximum power level authorized from 3489 megawatts thermal (MWt) to 3952 MWt, an approximate 13% increase in thermal power. The proposed Constant Pressure Power Uprate (CPPU) represents an increase of approximately 20% above the Original Licensed Thermal Power (OLTP).

In Reference 2, PPL provided the Stress Analysis Report for new SSES Steam Dryers. Enclosure 1 provides a proprietary version of the revised dryer stress analysis report for the new SSES dryers. Enclosure 2 provides a non-proprietary version of this stress analysis report. Enclosure 3 contains a proprietary version of two tables that provide a comparison of the Reference 2 submittal and this submittal and includes the end-to-end uncertainty. Enclosure 4 contains a non-proprietary version of these tables.

There are no new regulatory commitments associated with the additional information provided herein.

A001

NR2

PPL has reviewed the "No Significant Hazards Consideration" and the "Environmental Consideration" submitted with Reference 1 relative to this supplemental information. We have determined that there are no changes required to either of these documents.

The supplemental information contained herein is considered GE-Hitachi Nuclear Energy Americas LLC to be proprietary. GE-Hitachi Nuclear Energy Americas LLC requests that the proprietary information be withheld from public disclosure in accordance with 10 CFR 2.390 (a) 4 and 9.17 (a) 4. An Affidavit supporting this request is provided in Enclosure 4.

If you have any questions or require additional information, please contact Mr. Michael H. Crowthers at (610) 774-7766.

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

Executed on: 7/6/07



B. T. McKinney

- Enclosure 1: Proprietary Version of GE-Hitachi Nuclear Energy Americas LLC Report # GE-NE-0000-0061-0595-P-R1 "Susquehanna Replacement Steam Dryer Fatigue Analysis," affidavit included
- Enclosure 2: Non-Proprietary Version of GE-Hitachi Nuclear Energy Americas LLC Report # GE-NE-0000-0061-0595-NP-R1, "Susquehanna Replacement Steam Dryer Fatigue Analysis"
- Enclosure 3: Comparison Tables With "End-To-End" Uncertainties
- Enclosure 4: Non-proprietary version of Comparison Tables with "End-to-End" Uncertainties
- Enclosure 5: GE-Hitachi Nuclear Energy Americas LLC Affidavit for Comparison Tables

Copy: NRC Region I
Mr. A. J. Blamey, NRC Sr. Resident Inspector
Mr. R. V. Guzman, NRC Sr. Project Manager
Mr. R. R. Janati, DEP/BRP