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**FEB 13 2007**

**Proprietary Information Enclosed**

U. S. Nuclear Regulatory Commission  
Attn: Document Control Desk  
Mail Stop OP1-17  
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-6155**

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**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.*

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 a teleconference held January 31, 2007, the NRC staff requested PPL submit the enclosed reports to assist with the review of the Reference 1 application.

Enclosure 1 provides a proprietary version of the requested reports.

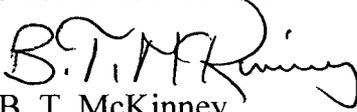
There are no new regulatory commitments associated with the submittal of these reports.

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.

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The enclosed reports are considered to be proprietary by AREVA NP, Inc. As such, AREVA NP, Inc. requests that they 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 1.

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

  
B. T. McKinney

Enclosure 1: AREVA NP, INC. Reports

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