

JUL 31 2007



U. S. Nuclear Regulatory Commission
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**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
EXTENDED POWER UPRATE APPLICATION
REGARDING STEAM DRYER AND FLOW EFFECTS
REQUEST FOR ADDITIONAL INFORMATION
RESPONSES
PLA-6242**

**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) Letter, R. V. Guzman (NRC) to B. T. McKinney (PPL), Susquehanna Steam Electric Station, Units 1 and 2 (SSES 1 and 2) - Steam Dryer Information and Analysis Supporting the Extended Power Uprate (EPU) Amendment Requests (TAC Nos. MD3309 and MD3310), " dated July 12, 2007.*
- 3) PPL Letter PLA-6176, B. T. McKinney (PPL) to USNRC, "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 Extended Power Update Application Regarding Steam Dryer And Flow Effects Request For Additional Information Responses," dated April 27, 2007*
- 4) PPL Letter PLA-6200, B. T. McKinney (PPL) to USNRC, "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 Extended Power Uprate Application Re: Mechanical And Civil Engineering Technical Review Request For Additional Information Responses," dated June 1, 2007*
- 5) PPL Letter PLA-6237, B. T. McKinney (PPL) to USNRC, " 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," dated July 6, 2007.*
- 6) PPL Letter PLA-6138, B. T. McKinney (PPL) to USNRC, "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," dated December 4, 2006.*

A001

MR

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).

The purpose of this letter is to provide responses to the Request for Additional Information (RAI) transmitted to PPL in Reference 2 and to provide supplemental information to References 3 and 4.

Attachment 1 contains the PPL responses.

The PPL responses in Attachment 1 contain information that GE - Hitachi Nuclear Energy Americas, LLC and Continuum Dynamics Incorporated (CDI) consider proprietary. GE - Hitachi Nuclear Energy Americas, LLC and Continuum Dynamics Incorporated (CDI) request that the proprietary information be withheld from public disclosure in accordance with 10 CFR 2.390 (a) 4 and 9.17 (a) 4. Affidavits supporting this request are provided in Attachment 3. A non-proprietary version of Attachment 1 is provided in Attachment 2.


There are no new regulatory commitments associated with this submittal.

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

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

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

Executed on: 7-31-07


for B. T. McKinney

- Attachment 1: Proprietary Version of the Request for Additional Information Responses
- Attachment 2: Non-Proprietary Version of the Request for Additional Information Responses
- Attachment 3: GE-Hitachi Nuclear Energy Americas LLC and Continuum Dynamics
Incorporated (CDI) Affidavits

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