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**JUN 04 2007**

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  
EXTENDED POWER UPRATE APPLICATION RE:  
CONTAINMENT AND VENTILATION TECHNICAL REVIEW  
REQUEST FOR ADDITIONAL INFORMATION  
RESPONSES  
PLA-6203**

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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.*
- 2) Letter, R. V. Guzman (NRC) to B. T. McKinney (PPL),  
"Request for Additional Information (RAI) –  
Susquehanna Steam Electric Station, Units 1 and 2 (SSES 1 and 2) –  
Extended Power Uprate Application Re: Containment and Ventilation Technical Review  
(TAC Nos. MD3309 and MD3310)," dated April 27, 2007.*
- 3) Letter, R. V. Guzman (NRC) to B. L. Shriver (PPL),  
"Susquehanna Steam Electric Station Unit 1 & 2 Generic Letter 96-06  
Assurance of Equipment Operability & Containment Integrity During Design Basis  
Accidents (TAC NOS. MB96875 and MB96876)," August 12, 2003.*

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" transmitted to PPL in Reference 2.

ADD1

NRC/NRR

The Attachments contain the PPL responses.

The PPL responses in Attachment 1 contain information that General Electric Company considers proprietary. General Electric Company requests that the proprietary information be withheld from public disclosure in accordance with 10 CFR 2.390 (a) 4 and 9.17 (a) 4. The Affidavit supporting this request is provided in Attachment 3. A non-proprietary version of Attachment 1 is provided in Attachment 2.

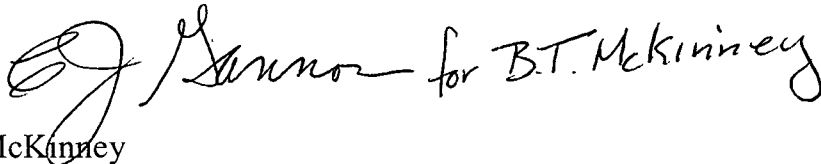
There are no new regulatory commitments associated with this submittal.

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: June 4, 2007

A handwritten signature in cursive script, appearing to read "B.T. McKinney", followed by the text "for B.T. McKinney".

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: General Electric Company Affidavit

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

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**Attachment 3 to PLA-6203**  
**General Electric Company Affidavit**

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# General Electric Company

## AFFIDAVIT

I, **Bradley J. Erbes**, state as follows:

- (1) I am Manager Services Engineering, General Electric Company ("GE") and have been delegated the function of reviewing the information described in paragraph (2) which is sought to be withheld, and have been authorized to apply for its withholding.
- (2) The information sought to be withheld is contained in Enclosure 1 of the GE-SSSES-AEP-322, Larry King (GE) to Mike Gorski (PPL), *GE Responses to BWR Systems RAIs 10, 12, 14, 33 and 40; Mechanical and Civil RAIs 1, 3, 7, 12, 20 and 21; Containment and Venting RAIs 1, 3, 5, 9 and 14*, GE Proprietary Information, dated May 21, 2007. The Enclosure 1 (*GE Responses to BWR Systems RAIs 10, 12, 14, 33 and 40; Mechanical and Civil RAIs 1, 3, 7, 12, 20 and 21; Containment and Venting RAIs 1, 3, 5, 9 and 14*) proprietary information is delineated by a dotted underline inside double square brackets. In each case, the superscript notation<sup>(3)</sup> refers to Paragraph (3) of this affidavit, which provides the basis for the proprietary determination.
- (3) In making this application for withholding of proprietary information of which it is the owner, GE relies upon the exemption from disclosure set forth in the Freedom of Information Act ("FOIA"), 5 USC Sec. 552(b)(4), and the Trade Secrets Act, 18 USC Sec. 1905, and NRC regulations 10 CFR 9.17(a)(4), and 2.390(a)(4) for "trade secrets" (Exemption 4). The material for which exemption from disclosure is here sought also qualify under the narrower definition of "trade secret", within the meanings assigned to those terms for purposes of FOIA Exemption 4 in, respectively, Critical Mass Energy Project v. Nuclear Regulatory Commission, 975F2d871 (DC Cir. 1992), and Public Citizen Health Research Group v. FDA, 704F2d1280 (DC Cir. 1983).
- (4) Some examples of categories of information which fit into the definition of proprietary information are:
  - a. Information that discloses a process, method, or apparatus, including supporting data and analyses, where prevention of its use by General Electric's competitors without license from General Electric constitutes a competitive economic advantage over other companies;
  - b. Information which, if used by a competitor, would reduce his expenditure of resources or improve his competitive position in the design, manufacture, shipment, installation, assurance of quality, or licensing of a similar product;

- c. Information which reveals aspects of past, present, or future General Electric customer-funded development plans and programs, resulting in potential products to General Electric;
- d. Information which discloses patentable subject matter for which it may be desirable to obtain patent protection.

The information sought to be withheld is considered to be proprietary for the reasons set forth in paragraphs (4)a., and (4)b, above.

- (5) To address 10 CFR 2.390 (b) (4), the information sought to be withheld is being submitted to NRC in confidence. The information is of a sort customarily held in confidence by GE, and is in fact so held. The information sought to be withheld has, to the best of my knowledge and belief, consistently been held in confidence by GE, no public disclosure has been made, and it is not available in public sources. All disclosures to third parties including any required transmittals to NRC, have been made, or must be made, pursuant to regulatory provisions or proprietary agreements which provide for maintenance of the information in confidence. Its initial designation as proprietary information, and the subsequent steps taken to prevent its unauthorized disclosure, are as set forth in paragraphs (6) and (7) following.
- (6) Initial approval of proprietary treatment of a document is made by the manager of the originating component, the person most likely to be acquainted with the value and sensitivity of the information in relation to industry knowledge. Access to such documents within GE is limited on a "need to know" basis.
- (7) The procedure for approval of external release of such a document typically requires review by the staff manager, project manager, principal scientist or other equivalent authority, by the manager of the cognizant marketing function (or his delegate), and by the Legal Operation, for technical content, competitive effect, and determination of the accuracy of the proprietary designation. Disclosures outside GE are limited to regulatory bodies, customers, and potential customers, and their agents, suppliers, and licensees, and others with a legitimate need for the information, and then only in accordance with appropriate regulatory provisions or proprietary agreements.
- (8) The information identified in paragraph (2), above, is classified as proprietary because it contains detailed results and conclusions from evaluations, utilizing analytical models and methods, including computer codes, which GE has developed, obtained NRC approval of, and applied to perform evaluations of transient and accident events in the GE Boiling Water Reactor ("BWR"). The development and approval of these system, component, and thermal hydraulic modes and computer codes were achieved at a significant cost to GE, on the order of several million dollars.

The development of the evaluation process along with the interpretation and application of the analytical results is derived from the extensive experience database that constitutes a major GE asset.

- (9) Public disclosure of the information sought to be withheld is likely to cause substantial harm to GE's competitive position and foreclose or reduce the availability of profit-making opportunities. The information is part of GE's comprehensive BWR safety and technology base, and its commercial value extends beyond the original development cost. The value of the technology base goes beyond the extensive physical database and analytical methodology and includes development of the expertise to determine and apply the appropriate evaluation process. In addition, the technology base includes the value derived from providing analyses done with NRC-approved methods.

The research, development, engineering, analytical and NRC review costs comprise a substantial investment of time and money by GE.

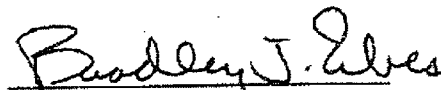
The precise value of the expertise to devise an evaluation process and apply the correct analytical methodology is difficult to quantify, but it clearly is substantial.

GE's competitive advantage will be lost if its competitors are able to use the results of the GE experience to normalize or verify their own process or if they are able to claim an equivalent understanding by demonstrating that they can arrive at the same or similar conclusions.

The value of this information to GE would be lost if the information were disclosed to the public. Making such information available to competitors without their having been required to undertake a similar expenditure of resources would unfairly provide competitors with a windfall, and deprive GE of the opportunity to exercise its competitive advantage to seek an adequate return on its large investment in developing these very valuable analytical tools.

I declare under penalty of perjury that the foregoing affidavit and the matters stated therein are true and correct to the best of my knowledge, information, and belief.

Executed on this 18<sup>th</sup> day of May 2007



Bradley J. Erbes  
General Electric Company