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

**SUSQUEHANNA STEAM ELECTRIC STATION**  
**10 CFR 50.46 – ANNUAL REPORT**  
**PLA-5687**

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

*References: 1) Letter from G. T. Jones (PPL) to the U. S. Nuclear Regulatory Commission, "10 CFR 50.46 Report – 30 Day report and Annual Report," dated November 12, 2002 (PLA-5553).*

This report is being sent in accordance with 10 CFR 50.46 (a)(3)(ii). 10 CFR 50.46(a)(3)(ii) requires (in part) annual reporting of changes to or errors in evaluation models used for calculating Emergency Core Cooling System (ECCS) performance, and an estimate of their effect on the limiting ECCS analysis. Additionally, a proposed schedule is required for reanalysis or identification of other actions necessary to show compliance with 10 CFR 50.46 requirements.

The ECCS performance evaluation methodology applicable to both Susquehanna SES Unit 1 and Unit 2 is the Framatome-ANP EXEM/BWR LOCA Analysis. Since the submittal of the last annual 10 CFR 50.46 report (Reference 1), there have been no non-zero PCT changes reported to PPL Susquehanna, LLC. Thus, the current licensing basis PCT remains valid and no further actions are required. The annual reporting requirement is met by this letter.

PPL Susquehanna, LLC will continue to track future changes to the evaluation models used in the applicable LOCA analysis methods to ensure that the PCT values remain below the 10 CFR 50.46 limit, and to ensure that the 10 CFR 50.46 reporting requirements are met.

Please contact Mr. Rocco R. Sgarro, Manager – Nuclear Regulatory Affairs at (610) 774-7552, if there are any questions concerning this letter.

Sincerely,

B. L. Shriver

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

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