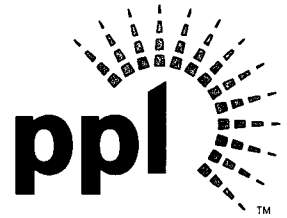


**Britt T. McKinney**  
Sr. Vice President and Chief Nuclear Officer

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



**APR 18 2007**

U. S. Nuclear Regulatory Commission  
Attention: Document Control Desk  
Mail Stop OP1-17  
11555 Rockville Pike  
Rockville, MD 20852

**SUSQUEHANNA STEAM ELECTRIC STATION  
RADIOACTIVE EFFLUENT RELEASE REPORT  
AND OFFSITE DOSE CALCULATION MANUAL  
PLA-6183**

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

In accordance with 10 CFR 50.36(a)(2) and the Susquehanna Steam Electric Station (SSES) Units 1 and 2 Technical Specification (TS) 5.6.3, attached is the annual Radioactive Effluent Release Report for SSES Units 1 and 2 for the period covering January 1 through December 31, 2006. Additionally, in accordance with TS 5.5.1.C.3, attached is a copy of the Offsite Dose Calculation Manual as revised through December 31, 2006.

Should you have any questions or require additional information, please contact Mr. Rocco R. Sgarro, Manager – Nuclear Regulatory Affairs, at (610) 774-7552.

A handwritten signature in black ink, appearing to read "B. T. McKinney".

B. T. McKinney

Attachments

Copy: Mr. D. J. Allard, DEP/BRP  
Mr. A. J. Blamey, NRC Sr. Resident Inspector  
Mr. S. J. Collins, NRC Region I, Regional Administrator  
Mr. J. T. Furia, NRC Region I, Senior Health Physicist  
Mr. R. V. Guzman, NRC Project Manager  
Mr. R. R. Janati, DEP/BRP  
Ms. T. Lewis, DEP/BRP  
Mr. R. Maiers, DEP/BRP  
Mr. S. Mainieri, INPO  
Mr. W. Wendland, ANI

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