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U. S. Nuclear Regulatory Commission  
Attn: Document Control Desk  
Mail Station OP1-17  
Washington, DC 20555

**SUSQUEHANNA STEAM ELECTRIC STATION  
RADIOACTIVE EFFLUENT RELEASE REPORT  
AND OFFSITE DOSE CALCULATION MANUAL  
PLA-5736**

**Docket No. 50-387  
and 50-388**

In accordance with 10 CFR 50.36a(a)(2) and the Susquehanna SES Unit 1 and 2 Technical Specifications Section 5.6.3, attached is the annual Radioactive Effluent Release Report for SSES Units 1 and 2 covering the period January 1 through December 31, 2003. Additionally, pursuant to Technical Specification Section 5.5.1.C.3, attached is a copy of the Offsite Dose Calculation Manual as revised through December 31, 2003.

If you have any questions, please contact Mr. Rocco R. Sgarro at (610) 774-7552.

Sincerely,

B. L. Shriver

Attachment

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

IE48  
A009