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

**SUSQUEHANNA STEAM ELECTRIC STATION
RADIOACTIVE EFFLUENT RELEASE REPORT
AND OFFSITE DOSE CALCULATION MANUAL
PLA-5873**

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

In accordance with 10 CFR 50.36a(a)(2) and the Susquehanna Steam Electric Station (SSES) Units 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, 2004. 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, 2004.

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

Sincerely,

B. T. McKinney

Attachment

copy: 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. Janati, DEP/BRP

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