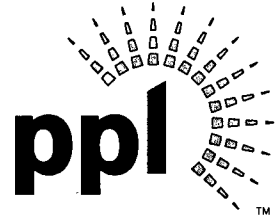


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APR 10 2012

U. S. Nuclear Regulatory Commission  
Attention: Document Control Desk  
Washington, DC 20555-0001

**SUSQUEHANNA STEAM ELECTRIC STATION  
RADIOACTIVE EFFLUENT RELEASE REPORT  
AND OFFSITE DOSE CALCULATION MANUAL  
PLA-6833**

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**Docket Nos. 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 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, 2011. 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, 2011.

Should you have any questions or require additional information, please contact Mr. John L. Tripoli, Manager – Nuclear Regulatory Affairs at (570) 542-3100.

A handwritten signature in black ink that reads "Jeffrey M. Helsel". The signature is written in a cursive, flowing style.

J. M. Helsel

Attachment 1: Radioactive Effluent Release Report for SSES Units 1 and 2  
Attachment 2: Offsite Dose Calculation Manual

Copy: Mr. D. J. Allard, DEP/BRP  
Mr. W. M. Dean, NRC Region I, Regional Administrator  
Mr. P. W. Finney, NRC Sr. Resident Inspector  
Mr. R. R. Janati, DEP/BRP  
Ms. T. Lewis, DEP/BRP  
Mr. R. Maiers, DEP/BRP  
Mr. W. Nestel, INPO  
Mr. R. G. Rolph, NRC Region I, Health Physicist  
Ms. D. Russo, ANI  
Ms. C. J. Sanders, NRC Project Manager

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