



UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION I
475 ALLENDALE ROAD
KING OF PRUSSIA, PA 19406-1415

March 22, 2010

Mr. Timothy S. Rausch
Senior Vice President and Chief Nuclear Officer
PPL Susquehanna, LLC
769 Salem Boulevard
Berwick, PA 18603-0467

SUBJECT: SUSQUEHANNA STEAM ELECTRIC STATION
NRC EMERGENCY PREPAREDNESS ANNUAL INSPECTION REPORT
NOS. 05000387/2009501 AND 05000388/2009501; NRC SECURITY ANNUAL
INSPECTION REPORT NOS. 05000387/2009401 AND 05000388/2009401


Dear Mr. Rausch:

On December 31, 2009, the NRC staff completed its annual inspection of the Emergency Preparedness Program at Susquehanna Steam Electric Station. This inspection began on January 1, 2009. Issuance of this letter closes Inspection Reports 05000387/2009501 and 05000388/2009501. Inspection activities charged to these reports include conducting mid-cycle/end of cycle assessment activities, responding to technical questions from resident inspectors or licensee personnel, and, in some cases, performing traditional enforcement activities. Any observations and findings in this area were provided to you via separate correspondence.

On December 31, 2009, the NRC staff also completed its annual inspection of the Security Program at Susquehanna Steam Electric Station. This inspection began on January 1, 2009. Issuance of this letter closes Inspection Reports 05000387/2009401, and 05000388/2009401. Inspection activities charged to these reports include conducting mid-cycle/end of cycle assessment activities, following up on Suspicious Incident Database (SID) reports, responding to technical questions from resident inspectors or licensee personnel, and, in some cases, performing traditional enforcement activities. Any observations and findings in this area were provided to you via separate correspondence.

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," a copy of this letter, and your response, if any, will be available electronically for public inspection in the NRC Public Document Room or from the Publicly Available Records System (PARS) component of NRC's Agencywide Documents Access and Management System (ADAMS), accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room).

Sincerely,


James M. Trapp, Chief
Plant Support Branch 1
Division of Reactor Safety

Docket Nos: 50-387, 50-388
License Nos: NPF-14, NPF-22

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Sincerely,
/RA by Peter R. Wilson for/
James M. Trapp, Chief
Plant Support Branch 1
Division of Reactor Safety

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SUNSI Review Complete: DCJ (Reviewer's Initials)

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T. Rausch

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