

August 13, 2008

Mr. Britt T. McKinney  
Sr. Vice President and Chief Nuclear Officer  
PPL Susquehanna, LLC  
769 Salem Blvd., NUCSB3  
Berwick, PA 18603-0467

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION FOR THE REVIEW OF THE  
SUSQUEHANNA STEAM ELECTRIC STATION, UNITS 1 AND 2, LICENSE  
RENEWAL APPLICATION

Dear Mr. McKinney:

By letter dated September 13, 2006, PPL Susquehanna, LLC submitted an application pursuant to Title 10 of the *Code of Federal Regulations* Part 54 (10 CFR Part 54), to renew the operating licenses for Susquehanna Steam Electric Station, Units 1 and 2, for review by the U.S. Nuclear Regulatory Commission (NRC or the staff). The staff is reviewing the information contained in the license renewal application and has identified, in the enclosure, areas where additional information is needed to complete the review. Further requests for additional information may be issued in the future.

Items in the enclosure were discussed with Duane Filchner, and a mutually agreeable date for the response is within 30 days from the date of this letter. If you have any questions, please contact me at 301-415-4029 or by e-mail at [evelyn.gettys@nrc.gov](mailto:evelyn.gettys@nrc.gov).

Sincerely,

**/RA/**

Evelyn Gettys, Project Manager  
Projects Branch 1  
Division of License Renewal  
Office of Nuclear Reactor Regulation

Docket Nos. 50-387 and 50-388

Enclosure: As stated

cc w/encl: See next page

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DATE	8/12/08	8/12/08	8/13/08	8/13/08

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SUSQUEHANNA STEAM ELECTRIC STATION, UNITS 1 AND 2  
LICENSE RENEWAL APPLICATION  
REQUEST FOR ADDITIONAL INFORMATION

**RAI B.2.31-5:**

Attachment 3 of PLA-6391 revised License Renewal Application (LRA) Section 3.1.2.2.4.1 Boiling Water Reactor (BWR) Top Head Enclosure Vessel Flange Leak Detection Lines; LRA Section 3.1.2.2.8.1 Stainless Steel BWR Jet Pump Sensing Lines; and LRA Appendix C for BWRVIP-74-A. All of these changes replace the Small Bore Class 1 Piping Inspection with the Chemistry Program Effectiveness Inspection for monitoring or detecting the aging effect of cracking in stainless steel, small-bore Reactor Coolant System pressure boundary piping exposed to a reactor coolant environment.

Please confirm the changes in Attachment 3 of PLA-6391 and give the technical basis for the change from Small Bore Class 1 Piping Inspection to Chemistry Program Effectiveness.

- (a) If the changes are intentional, then please state what examination techniques will be used for the flange leak detection lines and the jet pump sensing lines, which are a part of the reactor coolant pressure boundary, when the components are examined as a part of the Chemistry Program Effectiveness Inspection.
- (b) If the changes are not intentional, then please correct Attachment 3 of PLA-6391 to eliminate these changes.

**RAI B.2.31-6:**

Attachment 3 of PLA-6391 revised the LRA Section B.2.31 Small Bore Class 1 Piping Inspection "Program Description" to include the following statements:

- "The inspection will provide assurance that either cracking of small bore Class 1 piping is not occurring or the cracking is insignificant, such that an aging management program (AMP) is not warranted."
- "Should evidence of significant cracking be revealed by a one-time inspection ... periodic inspection will be proposed..."

A similar reference to "insignificant" cracking is also made in the Conclusion to LRA Section B.2.31.

Please, provide objective criteria by which cracking would be classified as "significant" or "insignificant," or revise the Program Description and Conclusion to eliminate the problematic wording.

ENCLOSURE

Letter to B. McKinney from E. Gettys, dated August 13, 2008

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RENEWAL APPLICATION

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Units 1 and 2

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Units 1 and 2

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