

June 17, 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 e-mail [evelyn.gettys@nrc.gov](mailto:evelyn.gettys@nrc.gov).

Sincerely,

IRA\

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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ADAMS Accession No.: ML081550515

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NAME	SFiguroa	EGettys	RAuluck	BPham w/comments
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SUSQUEHANNA STEAM ELECTRIC STATION (SSES), UNITS 1 AND 2  
LICENSE RENEWAL APPLICATION (LRA)  
REQUESTS FOR ADDITIONAL INFORMATION (RAI)

RAI B.2.39-1

In the LRA, AMP B.2.40 “RG 1.127 Water-Control Structures Inspection” states under the “acceptance criteria” program element that the structures monitoring program will be enhanced to include acceptance criteria as delineated in the Gall Report Section XI.S7 for water control structures. Please explain why the AMP B.2.39 “Structures Monitoring Program” “acceptance criteria” program element does not include the enhancements pertaining to Regulatory Guide (RG) 1.127, Rev. 1 for water-control structures.

RAI 3.5-1

In Table 3.5.2-10 “Aging Management Review Results – Bulk Commodities,” there are several line items for stainless steel material exposed to weather environment which refer to GALL Volume 2 items III.B2-7 & III.B4-7, and Volume 1 item 3.5.1-50. The GALL Report recommends the structures monitoring program to manage aging effects of loss of material/pitting and crevice corrosion. These SSES LRA items have the same component, material, and environment combination as in the GALL Report. Please provide the technical basis for not following the GALL Report recommendation.

RAI 4.6.2-1

In the LRA Section 4.6.2 “Downcomer Vents and Safety Relief Valve Discharge Piping,” the applicant summarized the maximum cumulative usage factors (CUF) for the downcomers in Table 4.6-1. The staff noted that the Operational Cases 4 and 6 are identical, while the CUF values are different. Please explain this discrepancy.

RAI 4.6.3-1

In the LRA, Section 4.6.3 “Safety Relief Valve Quenchers,” the last sentence of the second paragraph references a “Code Paragraph NF” component support. Please identify this Code Paragraph NF as it is not referenced elsewhere in the LRA.

ENCLOSURE

Susquehanna Steam Electric Station  
Units 1 and 2

cc:

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Susquehanna Steam Electric Station      - 2 -  
Units 1 and 2

cc:

Board of Supervisors  
Salem Township  
P.O. Box 405  
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Dr. Judith Johnsrud  
National Energy Committee  
Sierra Club  
443 Orlando Avenue  
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Letter to B. McKinney from E. Gettys dated June 17, 2008

DISTRIBUTION:

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