

June 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 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.

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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Evelyn Gettys, Project Manager
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| OFFICE | LA:DLR | PM:RPB1:DLR | BC:RER1:DLR | BC: RPB1:DLR |
| NAME | SFigueroa | EGettys | KChang (Jim Medoff for) | LLund |
| DATE | 06/03/08 | 06/09/08 | 6/9/08 | 6/13/08 |

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

RAI B.2.30-1 Buried Piping and Tanks Inspection Program

The “preventative actions” program element in GALL AMP XI.M34, “Buried Piping and Tanks Inspection,” states that “in accordance with industry practice, underground piping and tanks are coated during installation with a protective coating system, such as coal tar enamel with a fiberglass wrap and a kraft paper outer wrap, a polyolifin tape coating, or a fusion bonded epoxy coating to protect the piping from contacting the aggressive soil environment.” The program basis document states that ductile iron and cast iron piping are not coated based on plant design specifications. Provide the technical basis for not coating the ductile iron and cast iron piping.

RAI B.2.30-2 Buried Piping and Tanks Inspection Program

The GALL Report states that “Gray cast iron, which is included under the definition of steel, is also subject to a loss of material due to selective leaching, which is an aging effect managed under Chapter XI.M33, “Selective Leaching of Materials.” The Selective Leaching of Materials AMP mentions that the buried piping in the fire protection piping components are subject to the Selective Leaching Program, but the Selective Leaching Program is not mentioned in the Buried Piping and Tanks Inspection Program. Please amend LRA AMP B.2.30, Buried Piping and Tanks Inspection Program, to mention that the Selective Leaching Program will be used for the buried piping for the fire protection piping components.

RAI B.2.30-3 Buried Piping and Tanks Inspection Program

The LRA is not clear on whether there is any uncoated carbon steel piping in the fire protection piping system. Please clarify whether or not the fire protection piping system includes any uncoated carbon steel piping.

RAI B.2.18-1 Buried Piping Surveillance Program

In LRA AMP B.2.18, Buried Piping Surveillance Program, the applicant takes exception to the Scope of this program because this program is only used on buried Residual Heat Removal Service Water and Emergency Service Water common return header piping. The GALL AMR line items for buried piping all say for loss of material, use the Buried Piping and Tanks Inspection Program **or** The Buried Piping Surveillance Program. Therefore, the staff does not agree that an exception to the scope element is necessary. Please amend this AMP to remove the exception.

RAI B.2.18-2 Buried Piping Surveillance Program

The staff has identified a need for information relating to the rectifiers, ground bed anodes, and other equipment that are within the scope of AMP B.2.18, Buried Piping Surveillance Program. Indicate whether these components are in scope in accordance with 10 CFR 54.4(a)(1) as safety-related or 10CFR 54.4(a)(2) as nonsafety-related with the potential to affect safety-related SSCs. If one of these related components fails, clarify whether the failure of the component will initiate a Technical Specification “limited condition of operation”. Clarify whether or not SSES will include this equipment within the scope of the SSES 10 CFR Appendix B program for elements 7, 8, and 9 of AMP B.2.18.

ENCLOSURE

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

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RENEWAL APPLICATION

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Susquehanna Steam Electric Station,
Units 1 and 2

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Units 1 and 2

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