

September 17, 2007

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

SUBJECT: REQUESTS 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.

These requests for additional information 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 ehg2@nrc.gov.

Sincerely,

/RA/
Evelyn Gettys, Project Manager
License Renewal Branch A
Division of License Renewal
Office of Nuclear Reactor Regulation

Docket Nos. 50-387 and 50-388

Enclosure:
Requests for Additional Information

cc w/encl: See next page

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Letter to B. McKinney From E. Gettys Dated September 17, 2007

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SUSQUEHANNA STEAM ELECTRIC STATION, UNITS 1 AND 2, LICENSE
RENEWAL APPLICATION

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Units 1 and 2

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Susquehanna Steam Electric Station,
Units 1 and 2

-2-

cc:

Board of Supervisors
Salem Township
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Dr. Judith Johnsrud
National Energy Committee
Sierra Club
443 Orlando Avenue
State College, PA 16803

SUSQUEHANNA STEAM ELECTRIC STATION (SSES), UNITS 1 AND 2
LICENSE RENEWAL APPLICATION
REQUESTS FOR ADDITIONAL INFORMATION (RAI)

RAI B.2.21-1

Aging Management Program (AMP) B.2.21, "Reactor Vessel Surveillance Program," of the Susquehanna License Renewal Application (LRA) and the Updated Final Safety Analysis Report (UFSAR) supplement Section A.1.2.41 stated that the Susquehanna Steam Electric Station (SSES) reactor vessel surveillance program is part of the integrated surveillance program (ISP) described in BWRVIP-78, "BWR Integrated Surveillance Program Plan," BWRVIP-86-A, "BWR Vessel and Internals Project, BWR Integrated Surveillance Program Implementation," and BWRVIP-116, "BWR Vessel And Internals Project, Integrated Surveillance Program Implementation For License Renewal." Susquehanna will follow the requirements of the BWRVIP ISP. Since BWRVIP-116-A is not issued yet, following the requirements of the BWRVIP ISP does not necessarily mean that the additional requirements in the NRC safety evaluation dated March 1, 2006, on BWRVIP-116 will be addressed before the period of extended operation. Hence, the staff requests that you make the following commitment in LRA AMP B.2.21 and UFSAR Section A.1.2.41:

The SSES Reactor Vessel Surveillance Program will be enhanced to ensure that the additional requirements that are specified in the NRC safety evaluation dated March 1, 2006, for BWRVIP-116 will be addressed before the period of extended operation.

RAI B.2.21-2

LRA AMP B.2.21 stated under the title "NUREG-1801 Consistency" that the SSES reactor vessel surveillance program is consistent with the 10 elements of NUREG-1801, Section XI.M31, "Reactor Vessel Surveillance," with an exception. This exception is later identified as the NUREG-1801 requirement that analyzed capsules be stored once the analysis is complete. The staff will not consider this exception because analyzed specimens may be reconstituted for future use during or beyond the current requested extended period of operation. The staff has not granted such exception for approved LRAs. Please revise B.2.21 to reflect this staff position. Further, Table 3-3 of the BWRVIP-116 report indicates that both SSES units have standby capsules. Since the BWRVIP-116 did not provide guidelines for standby capsules, the staff requested that you include the following commitment in the UFSAR Section A.1.2.41 of the LRA:

If the SSES standby capsule is removed from the RPV without the intent to test it, the capsule will be stored in manner which maintains it in a condition which would permit its future use, including during the period of extended operation, if necessary.

Enclosure