

November 16, 2007

LICENSEE: PPL Susquehanna, LLC

FACILITY: Susquehanna Steam Electric Station, Units 1 and 2

SUBJECT: SUMMARY OF TELEPHONE CONFERENCE CALL HELD ON OCTOBER 3, 2007, BETWEEN THE U.S. NUCLEAR REGULATORY COMMISSION AND PPL SUSQUEHANNA, LLC, CONCERNING REQUEST FOR ADDITIONAL INFORMATION PERTAINING TO THE SUSQUEHANNA STEAM ELECTRIC STATION, UNITS 1 AND 2, LICENSE RENEWAL APPLICATION

The U.S. Nuclear Regulatory Commission and representatives of PPL Susquehanna, LLC held a telephone conference call on October 3, 2007, to discuss and clarify the staff's request for additional information (RAI) concerning the Susquehanna Steam Electric Station, Units 1 and 2, license renewal application. The telephone conference call was useful in clarifying the intent of the staff's RAI. Enclosure 1 provides a listing of the participants and Enclosure 2 contains a listing of the RAI discussed with the applicant, including a brief description on the status of the items.

The applicant had an opportunity to comment on this summary.

/RA/

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

Docket Nos. 50-387 and 50-388

Enclosures:
As stated

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DATE	11/13/07	11/13/07	11/16/07

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**TELEPHONE CONFERENCE CALL
SUSQUEHANNA STEAM ELECTRIC STATION, UNITS 1 AND 2,
LICENSE RENEWAL APPLICATION**

**LIST OF PARTICIPANTS
OCTOBER 3, 2007**

PARTICIPANTS

AFFILIATIONS

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

OCTOBER 3, 2007

The U.S. Nuclear Regulatory Commission (NRC or the staff) and representatives of PPL Susquehanna, LLC (PPL) held a telephone conference call on October 3, 2007, as a follow-up discussion and request for clarification to the applicant's response to the following request for additional information (RAI) concerning the Susquehanna Steam Electric Station (SSES), Units 1 and 2, license renewal application (LRA). The applicant's response to this RAI was submitted by letter dated August 23, 2007.

RAI 2.5-1

The General Design Criterion 17 described in Title 10 *Code of Federal Regulations* Part 50 (10 CFR Part 50), Appendix A, requires that electric power from the transmission network to the onsite electric distribution system be supplied by two physically independent circuits to minimize the likelihood of their simultaneous failure. In addition, the guidance provided by letter dated April 1, 2002, "Staff Guidance on Scoping of Equipment Relied on to Meet the Requirements of the Station Blackout Rule (10 CFR 50.63) for License Renewal (10 CFR 54.4(a)(3))," states:

For purposes of the license renewal rule, the staff has determined that the plant system portion of the offsite power system that is used to connect the plant to the offsite power source should be included within the scope of the rule. This path typically includes switchyard circuit breakers that connect to the offsite system power transformers (startup transformers), the transformers themselves, the intervening overhead or underground circuits between circuit breaker and transformer and transformer and onsite electrical system, and the associated control circuits and structures. Ensuring that the appropriate offsite power system long-lived passive structures and components that are part of this circuit path are subject to an aging management review will assure that the bases underlying the station blackout (SBO) requirements are maintained over the period of extended license.

According to the above, both paths, from the safety-related 4 kiloVolt buses to the first circuit breaker from the offsite line, used to control the offsite circuits to the plant should be age managed. The guidance does not specify that the switchyard is not part of the plant system or that the switchyard does not need to be included in the scope of license renewal. According to Section 2.5 of the license renewal application, the high voltage switchyard circuit breakers that connect to the offsite sources, the circuits connecting the startup transformers to the switchyard and the associated components and structures are not presently included within the scope of license renewal. Justify why these components are not within the scope of license renewal. In addition, explain in detail which high voltage breakers and other components in the switchyard will be connected from the startup transformers T10 and T20 up to the offsite power system for the purpose of SBO recovery.

ENCLOSURE 2

Discussion: Based on the discussion with the applicant, the staff indicated that the response to this RAI requires a revision. The applicant is aware of the staff's position that the boundary should be to the first breaker in the switchyard. The applicant is requesting that the staff provide them with a technical basis explanation for non-acceptance of the motor operated disconnect switch as the boundary. The applicant is requesting a meeting between NRC, PPL and the Nuclear Energy Institute. The staff has indicated that their position on this issue is firm.

Letter to PPL Susuquehanna, LLC from E. Gettys, dated November 16, 2007

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Units 1 and 2

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