

October 1, 2008

LICENSEE: PPL Susquehanna, LLC

FACILITY: Susquehanna Steam Electric Station, Units 1 and 2

SUBJECT: SUMMARY OF TELEPHONE CONFERENCE CALL HELD ON JUNE 25, 2008, BETWEEN THE U.S. NUCLEAR REGULATORY COMMISSION AND PPL SUSQUEHANNA, LLC, CONCERNING DRAFT REQUEST FOR ADDITIONAL INFORMATION PERTAINING TO THE SUSQUEHANNA STEAM ELECTRIC STATION, UNITS 1 AND 2, LICENSE RENEWAL APPLICATION

The U.S. Nuclear Regulatory Commission (NRC or the staff) and representatives of PPL Susquehanna, LLC held a telephone conference call on June 25, 2008, to discuss and clarify the staff's draft request for additional information (D-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 D-RAI.

Enclosure 1 provides a listing of the participants and Enclosure 2 contains a listing of the D-RAIs discussed with the applicant, including a brief description on the status of the items.

The applicant had an opportunity to comment on this summary.

IRAI

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

cc w/encls: See next page

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NAME	SFiguroa	EGettys	JDozier	DPelton
DATE	08/15/08	08/15/08	10/01/08	10/01/08

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

LIST OF PARTICIPANTS
JUNE 25, 2008

PARTICIPANTS

AFFILIATIONS

Evelyn Gettys	NRC
Qi Gan	NRC
On Yee	NRC
John Fair	NRC
Duane Filchner	PPL
Jeff Weik	PPL
Mike May	PPL
Dave Flyte	PPL

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

June 25, 2008

The U.S. Nuclear Regulatory Commission (NRC or the staff) and representatives of PPL Susquehanna, LLC held a telephone conference call on June 25, 2008, to discuss and clarify the following draft request for additional information (D-RAI) concerning the Susquehanna Steam Electric Station (SSES), Units 1 and 2 license renewal application (LRA).

D-RAI B.3.1-1

Under the Program Description of the Fatigue Monitoring Program (FMP) B.3.1, the LRA states that the aging management program monitors and tracks the number and severity of critical thermal and pressure transients for the selected reactor coolant system components. Describe how this tracking and monitoring is accomplished.

Discussion: The applicant indicated that the question is clear. This D-RAI will be sent as a formal RAI.

D-RAI B.3.1-4

Consistent with the generic aging lessons learned (GALL) program X.M1, the FMP B.3.1, will provide for periodic updates of the fatigue usage calculations. However, the LRA is not clear on the actions that will be taken if the updated calculations project higher than the allowable limits for the cumulative usage factor (CUF) values. State the exact actions that will be taken if FMP projects higher than the allowable limit for the CUF values, include the procedure and its numbers for these actions.

Discussion: The applicant indicated that the question is clear. This D-RAI will be sent as a formal RAI.

D-RAI B.3.1-5

The GALL program X.M1 recommends that industry experience is reviewed as part of the program and any applicable experience should be considered to be incorporated into the FMP. The operating experience section of B.3.1, FMP, indicates that industry experience has been factored into the SSES FMP but did not list or describe the applicable operating experience that was reviewed. Please provide the list of documents reviewed by SSES in considering the industry experience on metal fatigue and provide the corresponding follow-up actions taken by SSES.

Discussion: The applicant indicated that the question is clear. This D-RAI will be sent as a formal RAI.

D-RAI B.3.1-7

10 CFR 54.21(d) states that the Final Safety Analysis Report (FSAR) supplement for the facility must contain a summary description of the programs and activities for managing the effects of aging. Provide the FSAR supplement for Fatigue Monitoring Program.

ENCLOSURE 2

Discussion: The applicant indicated that the question is clear. This D-RAI will be sent as a formal RAI.

D-RAI 4.3-2

Table 4.3-2 of the LRA provides the Fatigue Usage for Limiting Reactor Coolant Pressure Boundary Locations. Provide a complete list of design transients that were used to calculate the 60-year CUF projections for the components listed, and describe the details of how they are monitored.

Discussion: The applicant indicated that the question is clear. This D-RAI will be sent as a formal RAI.

D-RAI 4.3-4

BWR Vessel Internals Program is credited to manage the effects of aging for the reactor vessel internals. However, this AMP only inspects the top guide for the first twelve years of period of extended operation. Top guide is subject to irradiation assisted stress corrosion cracking, state how this aging effect will be managed for the remainder for the period of extended operation.

Discussion: The applicant indicated that the question is clear. This D-RAI will be sent as a formal RAI.

D-RAI 4.3-5

For Section 4.3.4, provide the technical basis for this statement "fatigue usage is typically much higher on the associated piping systems."

Discussion: The applicant indicated that the question is clear. This D-RAI will be sent as a formal RAI.

D-RAI 4.3-6

- a) For Section 4.3.5, indicate whether any of the numbers of projected cycles for piping and in line components were derived from evaluation of "partial cycle" transients, where partial cycles are transient cycles that do not experience the full-temperature design cycles. If yes, provide the equation used to calculate the number of projected cycles.
- b) In addition, indicate whether the associated operating temperature exceeded the threshold values for the affected materials. If yes, provide the technical basis for evaluating the number of transient cycles in cases where the threshold values were exceeded.

Discussion: The applicant indicated that the question was clear. Part a of these D-RAI will be sent as a formal RAI Part b was removed.

D-RAI 4.3-7

The FSAR supplement of the LRA does not disposition the limited aging analysis (TLAA) for metal fatigue analysis nor the high energy line break (HELB) analysis according to 10 CFR 54.21(c)(i), (ii), or (iii). Explain why the disposition of these TLAAs is not necessary.

Discussion: The applicant indicated that the question is clear. This D-RAI will be sent as a formal RAI.

D-RAI 4.7.2-1

Please clarify whether there are any Class 1 high energy piping locations with a CUF value less than 0.1 by the current design basis where the CUF may exceed 0.1 during the period of extended operation.

Discussion: The applicant indicated that the question is clear. This D-RAI will be sent as a formal RAI.

Memorandum to PPL Susquehanna, LLC from E. Gettys, dated October 01, 2008

DISTRIBUTION:

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

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