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 FACIL: 50-388 Susquehanna Steam Electric Station, Unit 2, Pennsylv 05000388  
 AUTH. NAME AUTHOR AFFILIATION  
 KENYON, B. D. Pennsylvania Power & Light Co.  
 RECIP. NAME RECIPIENT AFFILIATION  
 ADENSAM, E. BWR Project Directorate '3

SUBJECT: Supplemental proposed application for Amend 39 to License  
 NPF-22, revising Tech Specs to support Cycle 2 reload.

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Bruce D. Kenyon  
Senior Vice President-Nuclear  
215/770-4194

JUL 25 1986

Director of Nuclear Reactor Regulation  
Attention: Ms. E. Adensam, Project Director  
BWR Project Directorate No. 3  
Division of BWR Licensing  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555

SUSQUEHANNA STEAM ELECTRIC STATION  
SUPPLEMENT TO PROPOSED AMENDMENT 39  
TO LICENSE NO. NPF-22  
PLA-2693      FILES R41-2, A7-8C

Docket No. 50-388

Reference: Letter, PLA-2661, B. D. Kenyon to E. Adensam, dated June 19, 1986.

Dear Ms. Adensam:

In a telecon on June 16, 1986 with members of the NRC staff in support of the SSES Unit 2 Cycle 2 reload, PP&L outlined its strategy for justifying Minimum Critical Power Ratio (MCPR) Technical Specification limits based on XCOBRA-T rather than the previously-used Hot Channel methodology in support of the SSES Unit 2 Cycle 2 Reload. Via the referenced letter, we committed to provide the staff with the newly derived limits in mid-July.

Accordingly, please find the following documents attached to this letter:

- o Marked-up changes to the Technical Specifications (For ease of review, the changes have been marked-up onto the previous changes sent by the referenced letter; changes due to this letter are denoted by a "Δ" in the margin.)
- o Discussion of Proposed Changes
- o XCOBRA-T Transient Results
- o Discussion of Hot Channel and XCOBRA-T Methodologies

These changes do not invalidate the relevant No Significant Hazards Considerations provided in the referenced submittal.

In the aforementioned telecon, PP&L also outlined the action we have taken with respect to MCPR limits for SSES Unit 1 Cycle 3 operation, since they had been based on the flawed Hot Channel method. We would like to confirm that until a complete reanalysis has been performed, Unit 1 operation will be restricted to the appropriate MCPR operating limit from Table 3.2.3-1, with the "artificial" assumption that the End-of-Cycle Recirculation Pump Trip (EOC-RPT) is inoperable (i.e., we will not physically render EOC-RPT inoperable, but will apply the associated MCPR penalty).

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SSES PLA-2693  
Files R41-2,A7-8C  
Ms. E. Adensam

Also attached to this letter is a revised Figure 3.2.2-1. As discussed with the staff in a telecon on July 15, 1986, we were notified by ENC that errata information relative to XN-NF-85-67, Revision 1 was inadvertently not provided to PP&L. The errata affects Exxon's "Protection Against Fuel Failure" (PAFF) line, which provides the basis for the subject figure. The new curve is based on these administrative corrections, and still corresponds to the ratio of PAFF/1.2. This change does not invalidate the No Significant Hazards Considerations for this figure that was provided in the referenced submittal.

Any questions on this material should be directed to Mr. R. Sgarro at (215) 770-7855.

Very truly yours,



B. D. Kenyon  
Senior Vice President-Nuclear

Attachments

cc: L. R. Plisco USNRC  
M. J. Campagnone USNRC  
L. Phillips USNRC

T. M. Gerusky, Director  
Bureau of Radiation Protection  
PA Dept. of Environmental Resources  
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