



Pennsylvania Power & Light Company

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Harold W. Keiser
Vice President-Nuclear Operations
215/770-7502

NOV 21 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

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SUSQUEHANNA STEAM ELECTRIC STATION
LICENSE CONDITION 2.C.(9) OF FACILITY
OPERATING LICENSE NO. NPF-22
PLA-2747 FILE R41-2/R41-1A

Docket No. 50-388

Dear Ms. Adensam:

License Condition 2.C.(9) of Facility Operating License No. NPF-22 requires that PP&L comply with items 1, 2 and 3 of IE Bulletin 79-26, Revision 1, and submit a report on item 3 within 30 days of plant start-up following the unit's first refueling outage. PP&L responded to the bulletin in PLA-623 dated February 11, 1981. In response to these requirements, the following information is provided.

1. PP&L has developed and verified an analytical method to calculate control blade depletion. This analysis determines the exposure history which then determines boron-10 depletion averaged over the upper one-fourth of each control blade on a continuing basis. Based on this analysis, PP&L has determined that no control blades will exceed 34% boron-10 depletion averaged over the upper one-fourth of the blade before the end of the second cycle.
2. Individual control blades will be scheduled for replacement prior to exceeding 34% boron-10 depletion averaged over the upper one-fourth of the blade as predicted by the analysis described above.
3. Shutdown margin tests have been satisfactorily conducted pursuant to Technical Specifications Section 4.1.1. Since no control blades have approached the boron-10 depletion limits, special shutdown margin tests

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are not necessary and shutdown margin procedures need not be modified to account for reactivity loss due to boron-10 depletion.

This completes PP&L's actions for License Condition 2.C.(9).

Very truly yours,



H. W. Keiser
Vice President-Nuclear Operations

cc: M. C. Thadani USNRC
L. R. Plisco USNRC