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AUTH.NAME AUTHOR AFFILIATION
CURTIS,N.W. Pennsylvania Power & Light Co.
RECIP.NAME RECIPIENT AFFILIATION
SCHWENCER,A. Licensing Branch 2

SUBJECT: Forwards proposed Amends 39 & 4 to Licenses NPF-14 & NPF-22 respectively.Amends change Tech Specs by revising leakage limits & testing & provide new table defining bypass pathways & leakage criteria.Class I & III fee encl.

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PP&L Pennsylvania Power & Light Company
Two North Ninth Street • Allentown, PA 18101 • 215 / 770-5151

Norman W. Curtis
Vice President-Engineering & Construction-Nuclear
215/770-7501

MAY 04 1984

Director of Nuclear Reactor Regulation
Attention: Mr. A. Schwencer, Chief
Licensing Branch No. 2
Division of Licensing
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

SUSQUEHANNA STEAM ELECTRIC STATION
PROPOSED AMENDMENT 39 TO LICENSE NPF-14 AND
PROPOSED AMENDMENT 4 TO LICENSE NPF-22
ER 100450 FILE 841-8 Docket Nos. 50-387
PLA-2192 50-388

Reference: Letter, PLA-1765, N. W. Curtis to Dr. T. Murley, July 29, 1983.

Dear Mr. Schwencer:

The purpose of this letter is to propose changes to the Susquehanna SES Unit 1 and Unit 2 Technical Specifications. These changes are designed to meet the requirements of Item 2a of Attachment 1 to License No. NPF-22.

As discussed in the referenced letter, the analysis of the radiological consequences of a postulated large break LOCA (ref. FSAR Chapter 15) assumed secondary containment bypass leakage at a rate of 5.0 scf per hour. Prior to discovering that credit could not be taken for water seals eliminating bypass leakage through the feedwater system, the SSES Unit 1 Technical Specifications imposed a limit on bypass leakage from all other known sources (i.e. main steam line drain valves) of 1.2 scf per hour. The remaining 3.8 scf per hour is then the maximum permissible bypass leakage for the feedwater system pathway. The results of Unit 1 and Unit 2 testing shows that the maximum bypass leakage does not exceed the 5.0 scf per hour assumed in the FSAR analysis.

The proposed Technical Specification changes for each unit attached to this letter revise leakage limits and testing in accordance with the above discussion. They also provide a new Table which more clearly defines bypass pathways and leakage criteria.

Administrative changes are included in ACTION e and 4.6.1.2.i of the Unit 1 proposal as well, in order to achieve consistency with the Unit 2 Technical Specifications. The ACTION e change corrects a typographical error, and the change to 4.6.1.2.i was done as a clarification at the request of the NRC staff.

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NO SIGNIFICANT SAFETY HAZARDS DETERMINATION

I. The proposed changes do not involve a significant increase in the probability or consequences of an accident previously evaluated. As discussed above, the changes made are enveloped by the existing FSAR Chapter 15 analysis of the radiological consequences of a large break LOCA.

II. The proposed changes do not create the possibility of a new or different kind of accident than previously evaluated. The previous analysis did not distinguish bypass leakage by specific systems; it lumped it together as a total. Therefore, the proposed change has no affect on the previous evaluation.

III. The proposed change does not involve a significant reduction in a margin of safety. As discussed earlier in this letter, the proposed change is consistent with the assumptions in the governing safety analysis. Therefore, the margin of safety set by that analysis is unaffected.

The attached proposal provides a complete response to Item 2a of Attachment 1 to License No. NPF-22 and therefore closes this condition of the license. If you have any questions, please contact Mr. R. Sgarro at (215) 770-7855. Pursuant to 10CFR170.22, the appropriate fees are enclosed for a Class I and a Class III Amendment.

Very truly yours,

N. W. Curtis
Vice President-Engineering & Construction-Nuclear

Attachments

cc: R. L. Perch - USNRC
D. R. Hoffman - USNRC
R. H. Jacobs - USNRC

Mr. T. M Gerusky, Director
Bureau of Radiation Protection Resources
Commonwealth of Pennsylvania
P.O. Box 2063
Harrisburg, PA 17120