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

SUBJECT: Forwards application for amend to License NPF-14, supporting mods that will be performed during first refueling outage. Fee paid.

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SEP 07 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 48 TO LICENSE NO. NPF-14
ER 100450 FILE 841-8
PLA-2298 Docket No. 50-387

Dear Mr. Schwencer:

The purpose of this letter is to propose a change to the Susquehanna SES Unit 1 Technical Specifications in order to support modifications that will be performed during the Unit 1 first refueling outage. We therefore request that your approval of this proposed amendment be conditioned to become effective prior to startup following that outage.

The modification in question involves the installation of overcurrent relays on each Reactor Recirculation pump circuit breaker in order to provide redundant overcurrent protection for the subject penetrations. The identical modification was performed on Unit 2 prior receipt of its Operating License; the Unit 2 Technical Specifications have already incorporated the proposed change.

NO SIGNIFICANT HAZARDS CONSIDERATIONS

I. The proposed change does not involve a significant increase in the probability or consequences of an accident previously evaluated. The equipment being installed is seismically and environmentally qualified for its service location, and will not adversely affect existing equipment. The time delay trip for the overcurrent relay was chosen such that it will not interfere with the ATWS trip of the breakers. The existing analysis takes credit for core flow resulting from the coastdown of the combined inertia of the recirculation pump and the motor-generator (MG) set until the breakers trip on ATWS. For a small break LOCA, the ATWS trip occurs at 40 seconds. The overcurrent relay trip time is 80 seconds to ensure that the relays will not operate and decouple the inertias of the pump and the MG set.

II. The proposed change does not create the possibility of a new or different kind of accident from any accident previously evaluated. As detailed in

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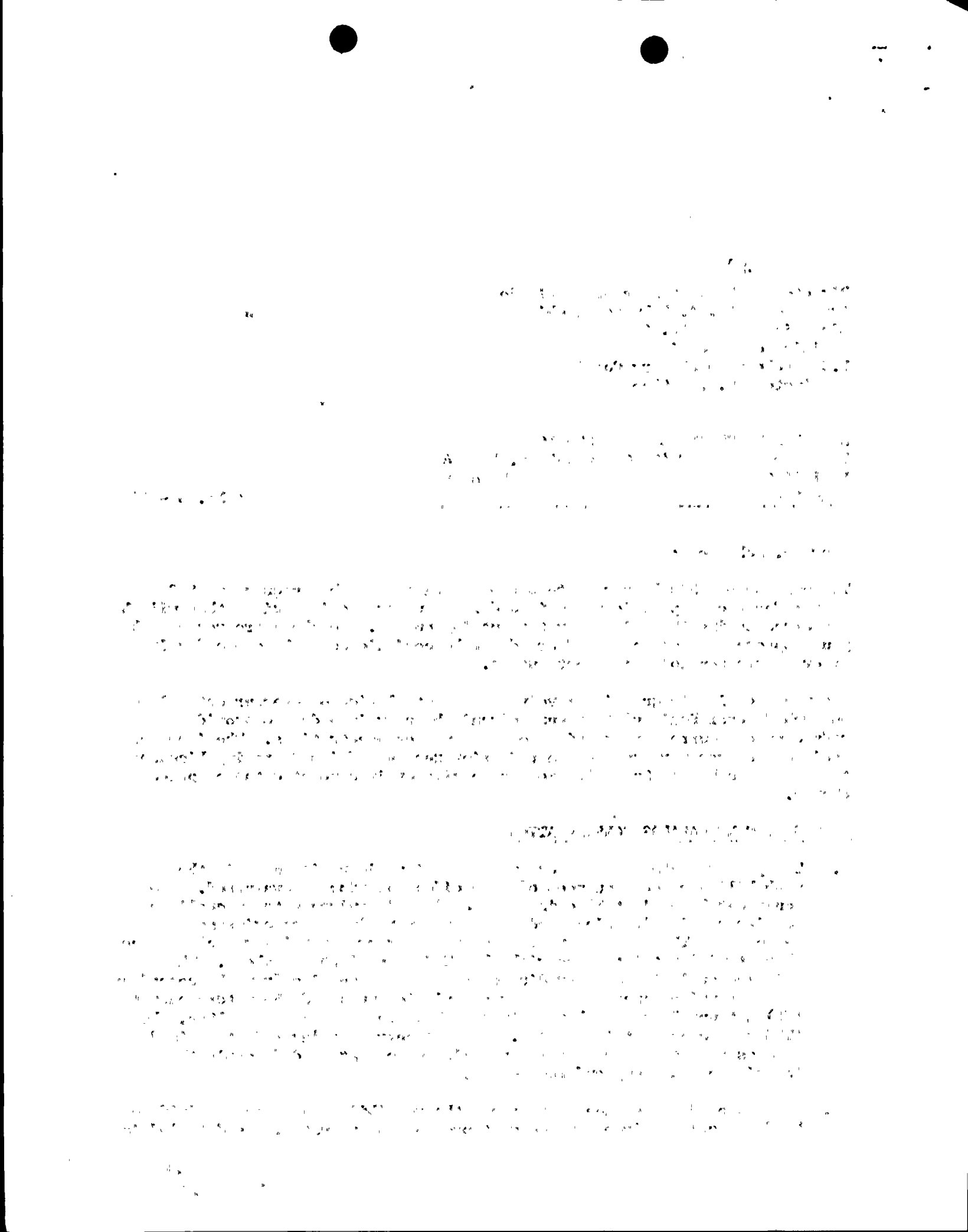

I. above, the time delay was chosen so that previous FSAR analyses remain unaffected.

III. The proposed change does not involve a significant reduction in a margin of safety. This modification enhances safety by providing redundant overcurrent protection. The ATWS and End-of-Cycle recirculation pump trip technical specifications are unaffected by this change.

If you have any questions regarding the proposed change which has been provided in marked-up form as an attachment to this letter, please contact Mr. R. Sgarro at (215) 770-7855. Pursuant to 10CFR170.22, the appropriate fees are enclosed.

Very truly yours,

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

Attachment

cc: R. L. Perch - USNRC

T. M. Gerusky, Director
Pennsylvania Dept. of Environmental Resources
P.O. Box 2063
Harrisburg, PA 17120