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 BUTLER, W. R. Project Directorate I-2

SUBJECT: Forwards proposed Amend 99 to facility Tech Specs, revising Table 3.8.4.1-1, "Primary Containment Penetration Conductor Overcurrent Protective Devices," to include four new circuit breakers during third refueling & insp outage. Fee paid.

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Harold W. Keiser
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June 19, 1987

Director of Nuclear Reactor Regulation
Attention: Dr. W. R. Butler, Project Director
Project Directorate I-2
Division of Reactor Projects
U.S. Nuclear Regulatory Commission
Washington DC 20555

SUSQUEHANNA STEAM ELECTRIC STATION
PROPOSED AMENDMENT 99 TO LICENSE NO. NPF-14
PLA-2876 FILES A17-2, R41-2

Docket No. 50-387

Dear Dr. Butler:

The purpose of this letter is to propose changes to the Susquehanna SES Unit 1 Technical Specifications. The nature of the changes is to revise Table 3.8.4.1-1, "Primary Containment Penetration Conductor Overcurrent Protective Devices", to include four new circuit breakers that will be installed during the upcoming Unit 1 third refueling and inspection outage.

BACKGROUND

Technical Specification 3/4.8.4.1, "Primary Containment Penetration Conductor Overcurrent Protective Devices", ensures in part that primary and backup overcurrent protection circuit breakers are demonstrated operable by the performance of periodic surveillances.

PP&L is modifying Susquehanna Unit 1 to provide redundant circuit breakers for the containment penetrations associated with the hydrogen recombiners. Since Technical Specification Table 3.8.4.1-1 lists all circuit breakers which protect primary containment penetrations, these new devices are proposed to be added to the subject Table. A similar change was approved by the NRC for Susquehanna Unit 2 via Amendment 24 to License No. NPF-22, dated April 1, 1986.

JUSTIFICATION

This change, by providing redundant protection, will enhance the overcurrent protection for the subject penetrations. The new breakers being installed (like the existing ones) are thermal-magnetic and will trip prior to load device failure, thereby assuring protection of the primary containment penetration seal. PP&L believes that this action will increase the probability of detecting and isolating short circuit currents.

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Files A17-2, R41-2
Dr. W. R. Butler

PLA-2876

NO SIGNIFICANT HAZARDS CONSIDERATIONS

- I. The proposed changes do not involve a significant increase in the probability or consequences of an accident previously evaluated.

The addition of redundant overcurrent protection for the subject penetrations will increase the reliability of the detection and isolation of short circuits. Therefore, the probability of a failure of the penetration seal being a contributor to an accident scenario is decreased.

- II. The proposed changes do not create the possibility of a new or different kind of accident from any accident previously evaluated.

The addition of redundant protection enhances its reliability. The new circuit breakers are of the same high quality as the existing ones, i.e. molded case and thermal magnetic. Failure of this redundant protection to detect and isolate a short circuit current will not create a malfunction different than any one that could be postulated without it installed.

- III. The proposed changes do not involve a significant reduction in a margin of safety.

As stated in I above, the detection and isolation of short circuit currents is enhanced by this modification. This action therefore increases the safety margin associated with penetration protection.

IMPLEMENTATION

This modification will be installed during the Unit 1 third refueling and inspection outage. Accordingly, we request that NRC approval be conditioned to become effective upon startup following that outage. The outage is currently scheduled to begin on September 12, 1987, and to end as early as November 13, 1987. We will keep you informed of any schedule changes.

Any questions on this submittal should be directed to Mr. R. R. Sgarro at (215) 770-7916. Pursuant to 10CFR170, the appropriate fee is enclosed.

Very truly yours,



H. W. Keiser
Vice President - Nuclear Operations

cc: NRC Document Control Desk (original)
NRC Region I
Mr. L. R. Plisco - USNRC - SSES
Mr. M. C. Thadani - USNRC - Bethesda
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