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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,changing Tech Specs to remove motor operators from emergency svc water (ESW) pump discharge valves & add valves on ESW return lines from control structure chillers.

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SEP 19 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 AMENDMENTS 47 TO LICENSE NPF-14
AND 8 TO LICENSE NPF-22
ER 100450 FILE 841-8 Docket Nos. 50-387
PLA-2297 50-388

Reference: PLA-1812, N. W. Curtis to T. E. Murley, dated Sept. 22, 1983.

Dear Mr. Schwencer:

Via the referenced letter, PP&L submitted its final report on a deficiency involving water hammer in the Emergency Service Water (ESW) system. As part of the modifications needed to support the corrective action described in that report, the motor operators from the ESW pump discharge valves (HV-01101A,B,C,D) will be removed, and motor operated valves HV-08693A and B will be added on the ESW return lines from the control structure chillers.

The purpose of this letter is to propose changes to Table 3.8.4.2-1 in the Susquehanna SES Unit 1 and Unit 2 Technical Specifications in order to support the subject modifications, which will be performed during the first refueling outage of Unit 1. Attachment A provides a mark-up of the Unit 1 changes; note that it deletes the addition of the discharge valves which was previously proposed in Proposed Amendment 43 to License No. NPF-14. Attachment B provides a mark-up of the identical changes for Unit 2.

In order to support ESW operability requirements during the Unit 1 first refueling outage, PP&L requests that this change be approved prior to the start of the outage, and that it be conditioned to become effective prior to startup following the outage. This will allow the needed flexibility to perform the modifications anytime during the outage without causing conflicts with the Technical Specifications.

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

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removal of the motor operators (and installation of manual operators) on the ESW pump discharge valves poses no hazard. These valves will be locked open and are not required to change position in order for the ESW loop to function properly. The addition of the HV-08693A and B valves functionally replace two motor operated valves which will be converted to locked open, manually-operated valves. Hence, the loss of a new valve is no different than the loss of an existing valve.

II. The proposed change does not create the possibility of a new or different kind of accident from any accident previously evaluated. The original design of the ESW pump discharge valves required manual operators; this change returns them to that design. The control structure chiller motor operated valves are a one-for-one replacement of existing valves.

III. The proposed change does not involve a significant reduction in a margin of safety. The margin of safety will be improved due to the mitigation of water hammer in the ESW system. As stated in I. above, the proposed modifications do not affect the capability of ESW to function properly under normal or accident conditions.

Any questions on the proposed changes should be directed to 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

Attachments

cc: R. L. Perch - USNRC

T. M. Gerusky, Director
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