

## SNUPPS

Standardized Nuclear Unit  
Power Plant System

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Nicholas A. Petrick  
Executive Director

February 2, 1984

SLNRC 84-0020 FILE: 0491.10.2  
SUBJ: Final Report: Undetectable Failure  
in Solid State Protection System,  
10 CFR 50.55(e) Report 82-2

Mr. James G. Keppler  
Regional Administrator, Region III  
U.S. Nuclear Regulatory Commission  
799 Roosevelt Road  
Glen Ellyn, Illinois 60137

Mr. John T. Collins  
Regional Administrator, Region IV  
U.S. Nuclear Regulatory Commission  
Suite 1000, Parkway Central Plaza  
Arlington, Texas 76012

Docket Nos. STN 50-482 and STN 50-483

References: 1) Letter, SLNRC 82-036, September 3, 1982: N.A. Petrick (SNUPPS) to NRC, IE Regions III and IV  
2) Letter, SLNRC 83-013, March 3, 1983: N.A. Petrick (SNUPPS) to NRC, IE Regions III and IV  
3) Letter, SLNRC 83-049, September 2, 1983: N.A. Petrick (SNUPPS) to NRC, IE Regions III and IV  
4) Westinghouse (Rahe) letter, NS-EPR-2877, to NRC (DeYdun) dated January 17, 1984.

Gentlemen:

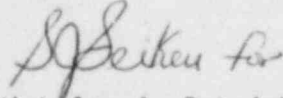
References 1 through 3 provided reports of a deficiency involving the potential for an undetectable failure of a switch in relay testing circuits of the Westinghouse Solid State Protection System (SSPS). A design modification has been finalized to alleviate the potential for a failed switch remaining undetected. Westinghouse informed the NRC of the generic design modification in Reference 4. The modification for Callaway and Wolf Creek involves deletion of the test push-button contact in series with the master relay coil, as noted in Attachment 2 of Reference 4.

With the design modification of Reference 4, no changes to test procedures will be required at Callaway or Wolf Creek. The changes in design details proposed by Westinghouse have been reviewed by SNUPPS and are considered acceptable. As noted in Reference 4, Westinghouse will generate field change notices to govern the equipment modifications at the Callaway and Wolf Creek plants. The modifications will be completed prior to fuel load at both plants.

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The NRC will be informed should there be significant new developments.  
This letter should be considered the final report on this matter. Please  
do not hesitate to call should there be any questions regarding this report.

Very truly yours,



Nicholas A. Petrick

RPW/dck/12b21

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