



UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION III
799 ROOSEVELT ROAD
GLEN ELLYN, ILLINOIS 60137

September 27, 1978

Docket No. 50-255

MEMORANDUM FOR: R. F. Warnick, Chief, Reactor Projects Section 2

FROM: D. R. Hunter, Reactor Inspector
B. L. Jorgensen, Reactor Inspector

SUBJECT: FLOODING OF AUXILIARY FEED PUMP ROOM AND BOTH PUMPS

During a recent inspection at the Palisades plant it was revealed that the auxiliary feed pump room was susceptible to flooding, resulting in a common mode failure of the pumps. The following concerns were identified in a review of partial room flooding (6 inches) on August 5, 1978:

- a. The single entrance is secured with a water tight door which is normally closed.
- b. The installed floor drain did not appear adequate to discharge releases from certain pipe breaks or relief valve actuation inside the room.
 - 1) Auxiliary feed pump discharge header relief valves (4").
 - 2) Auxiliary feedwater system piping (1500 psig).
 - 3) Main condensate pump reject line (500 psig).
- c. No automatic alarms or indications are available to monitor the flooding of the room remotely.

Consideration should be given to the above concerns and the appropriate corrective actions determined and implemented to assure continuing operability of the auxiliary feedwater system (the ultimate heat sink system) as required.

D. R. Hunter, Reactor Inspector

B. L. Jorgensen, Reactor Inspector

cc: G. Fiorelli

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