



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D. C. 20555

MAR 15 1984

[16]

MEMORANDUM FOR: Vincent S. Noonan, Chief, Equipment Qualifications Branch,  
Division of Engineering

FROM: Olan D. Parr, Chief, Auxiliary Systems Branch, Division of  
Systems Integration

SUBJECT: DIABLO CANYON UNIT 1, SSER 20, FOLLOWUP ITEM 5

In accordance with your request dated March 14, 1984, we have rereviewed the documentation concerning followup item 5 of SSER 20 for Diablo Canyon, Unit 1. This item involves environmental qualification of the motor capacitor in the electro-hydraulic (E/H) actuator on the motor driven auxiliary feedwater (AFW) pump flow control valves. Our review is based on the information contained in the notes for Table 3.11-1A provided in FSAR Amendment 69 (September 1978).

From the discussion in the above reference, we conclude that no more than two E/H valve actuators are affected by any single high energy line break environment. Therefore, a concurrent single active failure will not prevent the delivery of sufficient auxiliary feedwater by the turbine driven AFW pump or the unaffected motor driven pump to at least two intact steam generators, and thus a safe shutdown can be achieved. We therefore conclude that the E/H valve actuators are not required to be qualified to a high energy line break environment. Further, the original staff evaluation on this subject contained in SSER No. 9 dated June 13, 1980 is still acceptable.

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