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JAN 23 1980

MEMORANDUM FOR: R. Reid, Chief, Operating Reactors Branch #4, DOR
FROM: G. Lainas, Chief, Plant Systems Branch, DOR
SUBJECT: RANCHO SECO FIRE PROTECTION MODIFICATION - GRADE
LEVEL CORRIDOR

Paragraph 3.1.22(2) of our SER noted that SMUD would reroute or apply thermal barriers to Channel B conduits associated with the auxiliary feedwater system, decay heat removal system, and diesel generator located in the grade level corridor. By letter of December 31, 1979, SMUD indicated that certain of these Channel B cables were associated circuits whose function or failure would not be required for safe shutdown, although a hot short involving these potentially could have adverse effects on safe shutdown equipment. For these associated circuits where a hot short could affect safe shutdown equipment, the licensee has proposed to route these in separate conduits without power cables to remove the potential for hot shorts that could render Channel B equipment inoperable.

Additionally, Channel B cables associated with the diesel generator and required for safe shutdown will be rerouted out of the grade level corridor.

Based on the above, we find that the design that has been proposed for implementing modification 3.1.22(2) will provide the protection we intended in the Rancho Seco fire protection SER, and are, therefore, acceptable.

G. Lainas, Chief
Plant Systems Branch
Division of Operating Reactors

Contact:
H. George
X-27136

8002220 306

F

cc: D. Eisenhut R. Ferguson
R. Tedesco T. Wambach
W. Gammill D. Garzen
G. Lainas H. George

OFFICE	PSB:DOR	SL:PSB:DOR	C-PSB:DOR
SURNAME	H. George:dn	RFerguson	GLainas
DATE	1/23/80	1/23/80	1/23/80