

APR 13 1979

DISTRIBUTION:
Central files
NRC PDR
PSB Reading

MEMORANDUM FOR: D. Ziemann, Chief, Operating Reactors Branch #2, DOR
FROM: G. Lainas, Chief, Plant Systems Branch, DOR
SUBJECT: SAN ONOFRE - UNIT 1, FIRE PROTECTION ALTERNATE
OFFSITE POWER SOURCE, LICENSEES LETTER OF
JANUARY 15, 1979

In the subject letter, the licensee proposed to provide an alternate shutdown capability independent of certain areas where a fire could affect redundant safe shutdown equipment including the onsite power sources. The power source proposed for the alternate capability is an offsite source which is electrically independent and physically separate except for the intertie to the San Diego Gas and Electric Company's 135 Kv system. We find that dependence on offsite power alone is unacceptable and that the capability to provide power from an onsite source should be available.

The staff realizes that there are systems which could be used to achieve safe shutdown given that offsite power is available during a fire. However, the loss of offsite power is assumed for other events which do not affect systems designed to cope with the event. The staff deems it to be a prudent conservatism to adopt the same criteria for a fire, particularly, since the fire may affect systems designed to cope with its effects. The loss of offsite power is to be assumed along with the fire without respect to mechanisms through which it can be shown to occur even though such mechanisms do exist. This will assure that at least one source of onsite power is available in the event of a loss of offsite power concurrent with the fire for whatever reason.

Therefore, the staff requests the licensee to provide design modifications which will assure that safe shutdown can be achieved and maintained using an onsite power source.

Memorandum
cc'd

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

OFFICE	PSB:DOR	SL/PSB:DOR	C/PSB:DOR			
SURNAME	L. Derderian	R. Ferguson	G. Lainas			
DATE	4/12/79	4/12/79	4/13/79			

7905240302

P

cc: V. Stello
D. Eisenhut
G. Lainas
D. Ziemann
R. Ferguson
J. Knight
A. Burger
T. Wambach
Fire Protection
Consultants
Section C, PSB
L. Derderian