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ACCESSION NBR: 8209020257 DDC DATE: 82/08/31 NOTARIZED: NO DOCKET #
 FACIL: 50-361 San Onofre Nuclear Station, Unit 2, Southern California 05000361
 50-362 San Onofre Nuclear Station, Unit 3, Southern California 05000362
 AUTH. NAME AUTHOR AFFILIATION
 BASKIN, K.P. Southern California Edison Co.
 RECIP. NAME RECIPIENT AFFILIATION
 MIRAGLIA, F. Licensing Branch 3

SUBJECT: Submits schedule for completing fire protection commitments
 per 920724 & 29 ltrs. Schedule for mods re turbine driven &
 second motor driven pumps will be included w/auxiliary
 feedwater environ info on 821030.

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 TITLE: Licensing Submittal: Fire Protection

NOTES: J Hanchett lcy PDR Documents. ELD Chandler lcy. 05000361
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PITOTO'S Advance To H. Rood
 Pm.

Southern California Edison Company



P. O. BOX 800
2244 WALNUT GROVE AVENUE
ROSEMEAD, CALIFORNIA 91770

K. P. BASKIN
MANAGER OF NUCLEAR ENGINEERING,
SAFETY, AND LICENSING

TELEPHONE
(213) 572-1401

August 31, 1982

Director, Office of Nuclear Reactor Regulation
Attention: Mr. Frank Miraglia, Branch Chief
Licensing Branch No. 3
U. S. Nuclear Regulatory Commission
Washington, D.C. 20555

Gentlemen:

Subject: Docket Nos. 50-361 and 50-362
San Onofre Nuclear Generating Station
Units 2 and 3

Reference is made to Southern California Edison Company's (SCE) letters of July 24 and July 29, 1982, relating to fire protection. The purpose of this letter is to transmit the schedule for completion of the fire protection commitments made in the referenced letters.

SCE's letter of July 24, 1982 committed to the provision of (1) fire detection in Fire Zones 11, 28, 45, 62 and 72, (2) fire dampers in ventilation penetration ducting for one of the charging pump rooms, and (3) fire detectors and portable water fire extinguishers for the technical support center. Based upon an evaluation of engineering, procurement and construction required, SCE will implement these measures on an expedited bases to be completed by no later than startup following the first refueling outage of each unit. Portable water fire extinguishers will be installed in the technical support center by January 1, 1983.

SCE's letter of July 29, 1982 committed to install a metal barrier to separate the turbine driven (P-140) and second motor driven (P-504) auxiliary feedwater (AFW) pumps. Because of the confined space in the AFW pump rooms created, in part, by the addition of the second motor driven auxiliary feedwater pump and the proximity of other safety related equipment as shown in the enclosure, a sheet metal barrier as described in SCE's July 29, 1982 letter cannot readily be installed without major design changes. Concurrent with this fire protection requirement, SCE is investigating solutions to the environmental qualification problems associated with the auxiliary feedwater pump motor bearings. Because these two requirements are related and the solution to one problem could compromise the effectiveness of the solution to the other, SCE is undertaking an integrated engineering program to satisfy both requirements. The resultant final configuration of

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Mr. Frank Miraglia

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the auxiliary feedwater pump room will provide fire protection equivalent to or better than the proposed metal barrier and prevent loss of the motor driven AFW pumps due to bearing failure under the environmental conditions resulting from a postulated steam line break. Because of the potential inter-relationship of the modifications required to provide environmentally-qualified motor driven AFW pumps and those associated with fire protection between the turbine driven pump and the second motor driven pump, it is not possible to specify a schedule for the fire protection modifications at this time. The schedule for these fire protection modifications will be transmitted to the NRC by October 30, 1982 in conjunction with the AFW pump environmental qualification submittal.

If you have any questions regarding this information, please call me.

Very truly yours,

A handwritten signature in cursive script, appearing to read "K P Bushman".

Enclosure

ENCLOSURE