MAY 27 1986

Docket No.: 50-206

Mr. Kenneth P. Baskin, Vice President Nuclear Engineering Safety and Licensing Department Southern California Edison Company 2244 Walnut Grove Avenue P.O. Box 800 Rosemead, California 91770

Dear Mr. Baskin:

SUBJECT: TRANSAMERICA-DELAVAL (TDI) DIESEL ENGINE RELIABILITY

AND OPERABILITY

Re: San Onofre Nuclear Generating Station Unit (SONGS-1)

Reference 1: Letter dated November 19, 1984, D. M. Crutchfield (NRC) to

K. Baskin (SCE)

Reference 2: Letter dated March 14, 1986, G. E. Lear (NRC) to K. Baskin (SCE)

Reference 3: Letter dated April 17, 1986, M. Medford (SCE) to G. Lear (NRC)

Reference 1 transmitted the NRC staff's Safety Evaluation regarding the TDI diesel engines used as emergency power sources at SONGS-1. The staff concluded that these engines would continue to provide reliable standby power in accordance with the requirements of General Design Criterion 17 (GDC-17) until the next refueling outage. The November 19, 1984 letter also stated that the staff would address long-term operability of these engines after completing the review of the generic TDI Owners Group Program Plan. A draft of the staff's Safety Evaluation addressing the generic TDI issue was sent to you by Reference 2. The staff's final Safety Evaluation on the TDI Owners Group Program is expected to be issued in a few weeks.

Because of staff concerns described in Reference 2 related to crankshaft transient torsional stresses, the staff will not be able to complete the evaluation of long-term operability of the SONGS-1 engines prior to restart from the current refueling outage. However, your April 17, 1986 response (Reference 3) to our draft Safety Evaluation committed to investigate methods to fully resolve the crankshaft fatigue problem. You also stated SCE's position that the currently recommended periodic inspections of the crankshaft will fully ensure the continued safety and reliability of the engines until

The information requested above will be examined by the staff as part of the long-term operability review of the SONGS-1 engines.

The reporting and/or recordkeeping requirements contained in this letter affect fewer than ten respondents, therefore, OMB clearance is not required under P.L. 96-511.

Sincerely,

Richard F. Dudley, Project Manager

Project Directorate #1

Division of PWR Licensing-A

cc's: See Next Page

Office:

LA/PAD#1

PM/PAD#1

RDudley/tg

CBerlinger JM¶lhoan ERossi

Surname:

PShuttleworth

Date:

05/ /86

05/25/86

05/27/86

Distribution Copies:
Docket No. 50-206
NRC PDR
Local PDR
PAD#1 r/f
PAD#1 p/f
TNovak, Actg. DD
CRossi
EMurphy
CBerlinger
AChaffee
ELD
EJordan
BGrimes
JPartlow
GLear
RDudley
PShuttleworth
ACRS (10)