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 50-362 San Onofre Nuclear Station, Unit 3, Southern California 05000362  
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 BASKIN, K.P. Southern California Edison Co.  
 RECIP. NAME RECIPIENT AFFILIATION  
 KNIGHTON, G.W. Licensing Branch 3

SUBJECT: Advises that addl info will be submitted by 830101 re  
 expected life of auxiliary feedwater pump motor bearings  
 steam environ & max size line break tolerated by motor  
 bearings.

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*Southern California Edison Company*

**SCE**

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November 9, 1982

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

Director, Office of Nuclear Reactor Regulation  
Attention: Mr. George W. Knighton, 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

SCE's letter of October 29, 1982 submitted proposed hardware and inspection modifications to increase the reliability of the auxiliary feedwater (AFW) motor driven pumps in the event of a break in the high energy line feeding the steam driven AFW pump. The letter committed SCE to submit by January 1, 1983 a detailed cost/benefit analysis which compares the inspection options with the forced, cooled lube oil system.

A meeting between SCE and the NRC staff was held on November 3, 1982 to discuss the issuance of the Unit 3 operating license. As a result of discussions during the meeting on the proposed AFW modifications, SCE will submit the following additional information by January 1, 1983:

1. The expected life of the AFW pump motor bearings in a steam environment assuming a double ended guillotine break in the high energy line feeding the steam driven AFW pump;
2. The maximum size steam line break that can be tolerated by the motor bearings;
3. The duration between the occurrence of a double ended guillotine break and actuation of the AFW system assuming the AFW pump motors are not running initially.

If you have any questions or comments, please contact me.

Very truly yours,

*M. O. Medford for KPB*

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cc: Mr. R. H. Engleken  
Director, Region V,  
Office of Inspection and Enforcement

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