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 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: MEDFORD, M.O. AUTHOR AFFILIATION: Southern California Edison Co.  
 RECIP. NAME: KNIGHTON, G.W. RECIPIENT AFFILIATION: Licensing Branch 3

SUBJECT: Forwards auxiliary feedwater sys monthly outage repts from  
 831016-1115, describing degradation of auxiliary feedwater  
 sys, including description of component involved, cause of  
 outage & corrective actions.

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*Southern California Edison Company*



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M.O. MEDFORD  
MANAGER, NUCLEAR LICENSING

December 23, 1983

TELEPHONE  
(213) 572-1749

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  
Auxiliary Feedwater System Monthly Outage Report  
San Onofre Nuclear Generating Station, Units 2 and 3

Pursuant to License Condition 2.C(26) of Facility Operating License NPF-15 for San Onofre Unit 3, this submittal provides the required monthly report describing any occurrence resulting in the degradation of the Units 2 and 3 Auxiliary Feedwater Systems (AFWS). This report covers the period from October 16, 1983, to November 15, 1983, and includes the component involved, cause of outage, duration of outage, and corrective actions taken to return the equipment to operable status.

Various components of the Unit 2 or Unit 3 AFWS were out of service for a total of 114.7 hours during the reporting period. The out of service times can be summarized as follows:

<u>REASON FOR OUTAGE</u>	<u>TIME (Hours)</u>
1. Preventive Maintenance	0
2. Corrective Maintenance	111.6
3. Surveillance Testing	2.5
4. Component Investigation	0.6

During the reporting period, 100% AFWS capacity was available at all times. Component unavailability during this time period for Unit 2 was 10% and that for Unit 3 was 5%. Both units were either in Modes 1, 2 or 3 during the periods of component unavailability. The enclosure to this letter delineates the specific outages.

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Mr. G. W. Knighton

-2-

December 23, 1983

In accordance with License Condition 2.C(26), our next report will cover the period from November 16, 1983, to December 15, 1983.

If there are any questions regarding this report, please contact me.

Yours very truly,

*M. D. Medford*

Enclosure

cc: J. B. Martin, (Regional Administrator  
U. S. Nuclear Regulatory Commission, Region V)  
Mr. H. Rood, Project Manager, SONGS 2/3, NRR

A. E. Chaffee (USNRC Resident Inspector, Units 1, 2 and 3)  
J. P. Stewart (USNRC Resident Inspector, Units 2 and 3)

# Monthly AFWS Outage Report

October 16 to November 15 1983

<u>Date</u>	<u>Unit</u>	<u>Outage Type</u>	<u>Duration</u>	<u>Outage Cause</u>	<u>Corrective Action</u>
10-16-83	3	Corrective Maintenance	0.2	S31305MP504 was taken out of service to drain oil from an overfilled outboard pump bearing.	None required.
10-18-83	2	Surveillance Testing	2.5	S21305MP504 was taken out of service for a timer surveillance test on S21804ESA06.	None required.
10-20-83	2	Corrective Maintenance	31.3	S21305MP140 was taken out of service to repair oil leaks, adjust oil packing, change oil, and remove the sentinel valve from casing.	None required.
10-22-83	3	Corrective Maintenance	12.3	S31305HV4706 was manually closed after it opened on an erroneous Emergency Feedwater Actuation Signal (EFAS). This rendered S31305MP140 inoperable. The erroneous EFAS was due to a failed Solid State Relay (SSR) in EFAS 1 Channel "C".	The SSR was replaced. This occurrence was reported in Licensee Event Report (LER) 83-096, Docket No. 50-362.
10-22-83	3	Corrective Maintenance	2.6	S31305HV4712 was taken out of service to facilitate troubleshooting after the erroneous EFAS. (See previous entry.) S31305MP504 was rendered inoperable.	None required.
10-23-83	2	Corrective Maintenance	42.3	S21305MP140 was taken out of service to repair steam leaks in the trap system.	None required.
10-28-83	3	Corrective Maintenance	13.3	S31305MP140 was taken out of service for tachometer calibration.	None required.
10-31-83	3	Component Investigation	0.2	S31305MP140 failed to start upon receipt of an EFAS, after Unit 3 was manually tripped. Investigation revealed that the pump was in a tripped condition.	The steam inlet valve to S31305K007 was reset, and while the EFAS was still present, the pump started. This occurrence was reported in LER 83-099, Docket No. 50-362.

# Monthly AFWS Outage Report

October 16 to November 15, 1983

(Continued)

<u>Date</u>	<u>Unit</u>	<u>Outage Type</u>	<u>Duration</u>	<u>Outage Cause</u>	<u>Corrective Action</u>
11-05-83	3	Corrective Maintenance	12.2	S31305MP140 was removed from service to permit replacement of a failed Limitorque switch on S31305HV4716.	The failure of this Limitorque switch will be reviewed by the Limitorque task force. This occurrence was reported in LER 83-089, Docket No. 50-362.
11-09-83	3	Component Investigation	0.4	S31305MP140 was taken out of service for investigation of the latching relay for the steam inlet valve.	None required.