

# ACCELERATED DISTRIBUTION DEMONSTRATION SYSTEM

## REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 8908080273 DOC. DATE: 89/07/31 NOTARIZED: NO DOCKET #  
 FACIL: 50-361 San Onofre Nuclear Station, Unit 2, Southern California 05000361  
 AUTH. NAME AUTHOR AFFILIATION  
 MORGAN, H.E. Southern California Edison Co.  
 RECIP. NAME RECIPIENT AFFILIATION

SUBJECT: LER 89-012-00: on 890701, EQ discrepancies with Foxboro transmitters due to EQ program deficiencies.

W/8 ltr.

DISTRIBUTION CODE: IE22T COPIES RECEIVED: LTR 1 ENCL 1 SIZE: 2  
 TITLE: 50.73/50.9 Licensee Event Report (LER), Incident Rpt, etc.

### NOTES:

	RECIPIENT ID CODE/NAME	COPIES LTTR ENCL	RECIPIENT ID CODE/NAME	COPIES LTTR ENCL
	PD5 LA	1 1	PD5 PD	1 1
	HICKMAN, D	1 1		
INTERNAL:	ACRS MICHELSON	1 1	ACRS MOELLER	2 2
	ACRS WYLIE	1 1	AEOD/DOA	1 1
	AEOD/DSP/TPAB	1 1	AEOD/ROAB/DSP	2 2
	DEDRO	1 1	IRM/DCTS/DAB	1 1
	NRR/DEST/ADE 8H	1 1	NRR/DEST/ADS 7E	1 0
	NRR/DEST/CEB 8H	1 1	NRR/DEST/ESB 8D	1 1
	NRR/DEST/ICSB 7	1 1	NRR/DEST/MEB 9H	1 1
	NRR/DEST/MTB 9H	1 1	NRR/DEST/PSB 8D	1 1
	NRR/DEST/RSB 8E	1 1	NRR/DEST/SGB 8D	1 1
	NRR/DLPQ/HFB 10	1 1	NRR/DLPQ/PEB 10	1 1
	NRR/DOEA/EAB 11	1 1	NRR/DREP/RPB 10	2 2
	NUDOCS-ABSTRACT	1 1	<u>REG FILE 02</u>	1 1
	RES/DSIR/EIB	1 1	RES/DSR/PRAB	1 1
	RGN5 FILE 01	1 1		
EXTERNAL:	EG&G WILLIAMS, S	4 4	FORD BLDG HOY, A	1 1
	L ST LOBBY WARD	1 1	LPDR	1 1
	NRC PDR	1 1	NSIC MAYS, G	1 1
	NSIC MURPHY, G.A	1 1		

### NOTE TO ALL "RIDS" RECIPIENTS:

PLEASE **HELP US TO REDUCE WASTE!** CONTACT THE DOCUMENT CONTROL DESK, ROOM P1-37 (EXT. 20079) TO **ELIMINATE YOUR NAME FROM DISTRIBUTION LISTS FOR DOCUMENTS YOU DON'T NEED!**

FULL TEXT CONVERSION REQUIRED  
 TOTAL NUMBER OF COPIES REQUIRED: LTTR 43 ENCL 42

R  
I  
D  
S  
/  
A  
D  
S  
  
R  
I  
D  
S  
/  
A  
D  
D  
S

10/4

*Southern California Edison Company*

SAN ONOFRE NUCLEAR GENERATING STATION

P. O. BOX 128

SAN CLEMENTE, CALIFORNIA 92672

H. E. MORGAN  
STATION MANAGER

TELEPHONE  
(714) 368-6241

July 31, 1989

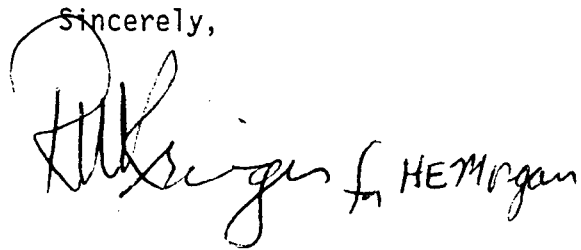
U. S. Nuclear Regulatory Commission  
Document Control Desk  
Washington, D.C. 20555

Subject: Docket No. 50-361  
30-Day Report  
Licensee Event Report No. 89-012  
San Onofre Nuclear Generating Station, Unit 2

Pursuant to 10 CFR 50.73(d), this submittal provides the required 30-day written Licensee Event Report (LER) for an occurrence involving the environmental qualification of safety-related instrumentation inside Containment. Since this occurrence involves similar systems, cause, and corrective actions applicable to Units 2 and 3, a single report for Unit 2 is being submitted in accordance with NUREG-1022. Neither the health and safety of plant personnel or the public was affected by this occurrence.

If you require any additional information, please so advise.

Sincerely,



H. E. Morgan

Enclosure: LER No. 89-012

cc: C. W. Caldwell (USNRC Senior Resident Inspector, Units 1, 2 and 3)  
J. B. Martin (Regional Administrator, USNRC Region V)  
Institute of Nuclear Power Operations (INPO)

8908080273 890731  
FDR ADDCK 05000361  
S FIC

IE22  
11

LICENSEE EVENT REPORT (LER)														
Facility Name (1) SAN ONOFRE NUCLEAR GENERATING STATION, UNIT 2										Docket Number (2) 0   5   0   0   0   3   6   1			Page (3) 1 of 0 1	
Title (4) ENVIRONMENTAL QUALIFICATION (EQ) DISCREPANCIES WITH FOXBORO TRANSMITTERS DUE TO EQ PROGRAM DEFICIENCIES														
EVENT DATE (5)			LER NUMBER (6)			REPORT DATE (7)			OTHER FACILITIES INVOLVED (8)					
Month	Day	Year	Year	/// Sequential Number	/// Revision Number	Month	Day	Year	Facility Names			Docket Number(s)		
0	7	01	819	0   1   2	0   0	0	7	31	SAN ONOFRE UNIT 3			0   5   0   0   0   3   6   2		
									SAN ONOFRE UNIT 1			0   5   0   0   0   2   0   6		
OPERATING MODE (9)			THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10CFR (Check one or more of the following) (11)											
POWER LEVEL (10) 1   0   0 //////////////////////////////////// //////////////////////////////////// //////////////////////////////////// //////////////////////////////////// ////////////////////////////////////			20.402(b)			20.405(c)			50.73(a)(2)(iv)			73.71(b)		
			20.405(a)(1)(i)			50.36(c)(1)			50.73(a)(2)(v)			73.71(c)		
			20.405(a)(1)(ii)			X 50.36(c)(2)			50.73(a)(2)(vii)			Other (Specify in		
			20.405(a)(1)(iii)			X 50.73(a)(2)(i)			50.73(a)(2)(viii)(A)			Abstract below and		
			20.405(a)(1)(iv)			50.73(a)(2)(ii)			50.73(a)(2)(viii)(B)			in text)		
20.405(a)(1)(v)			50.73(a)(2)(iii)			50.73(a)(2)(x)								
LICENSEE CONTACT FOR THIS LER (12)														
Name H. E. Morgan, Station Manager										TELEPHONE NUMBER AREA CODE 7   1   4   3   6   8   -   6   2   4   1				
COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)														
CAUSE	SYSTEM	COMPONENT	MANUFAC-TURER	REPORTABLE TO NPRDS	CAUSE	SYSTEM	COMPONENT	MANUFAC-TURER	REPORTABLE TO NPRDS	CAUSE	SYSTEM	COMPONENT	MANUFAC-TURER	REPORTABLE TO NPRDS
SUPPLEMENTAL REPORT EXPECTED (14)										Expected Submission Date (15)		Month	Day	Year
XX Yes (If yes, complete EXPECTED SUBMISSION DATE)      NO												0	8	15
ABSTRACT (Limit to 1400 spaces, i.e., approximately fifteen single-space typewritten lines) (16)														

On 6/1/89, following a non-routine inspection, a Nonconformance Report (NCR) was issued which identified that safety-related Foxboro transmitters inside Unit 1 Containment had been installed in a non-qualified configuration, contrary to environmental qualification (EQ) requirements of 10CFR50.49. On 6/2/89, since Unit 2 was shutdown, an inspection was performed which identified similar deficiencies, and another NCR was issued. Detailed calculations were performed which: 1) demonstrated the acceptability of the as-found installations and 2) provided acceptance criteria for planned Unit 2 and 3 inspections. On 7/1/89, with Unit 2 operating at 100% power and with Unit 3 in Hot Shutdown, inspections of all EQ-related Foxboro transmitters inside Units 2 and 3 Containments were completed. As a result of the Unit 2 and 3 inspections, additional NCR's were initiated for 52 EQ-related Foxboro transmitters (26 in each Unit 2 and Unit 3 Containment) which were not installed in their EQ tested configuration. Based on their observed configurations and analytical data, 16 transmitters (5 in Unit 2 and 11 in Unit 3) were declared inoperable, some of which were required by Technical Specification (TS) 3.3.3.6, Post-Accident Monitoring Instrumentation (PAMI). Appropriate TS Action Statements were followed and immediate actions were taken to either correct transmitter installed configurations and/or initiate testing to demonstrate operability in a post-accident harsh environment. There was no safety significance to this event since redundant instruments were operable for PAMI requirements.

Our ongoing root cause investigation has indicated that the EQ nonconformances are primarily due to EQ Program deficiencies. A comprehensive Division Incident Report (DIR) is nearly complete and several aspects have been identified that require additional cause and corrective action assessment. The scope of the corrective actions for EQ Program rectification and enhancements is being addressed in the DIR. In order to provide a complete report which incorporates all cause and corrective actions, a revision to this LER will be submitted no later than 8/15/89.