

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) Palo Verde Unit 1 DOCKET NUMBER (2) 0 5 0 0 0 5 2 8 1 OF 0 2

TITLE (4) Automatic Actuation of NSSS ESFAS Auxiliary Relay Cabinet

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	2	1	0	8	5	8	5	---	0	0	7	---	0	0	---	0	5	0	0	0	---	---

OPERATING MODE (9)		THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR § (Check one or more of the following) (11)									
POWER LEVEL (10)	0	0	0	20.402(b)	20.405(e)	X	50.73(a)(2)(iv)	73.71(b)			
				20.405(a)(1)(i)	50.36(e)(1)		50.73(a)(2)(v)	73.71(e)			
				20.405(a)(1)(ii)	50.36(e)(2)		50.73(a)(2)(vii)	OTHER (Specify in Abstract below and in Text, NRC Form 366A)			
				20.405(a)(1)(iii)	50.73(a)(2)(i)		50.73(a)(2)(viii)(A)				
				20.405(a)(1)(iv)	50.73(a)(2)(ii)		50.73(a)(2)(viii)(B)				
				20.405(a)(1)(v)	50.73(a)(2)(iii)		50.73(a)(2)(x)				

LICENSEE CONTACT FOR THIS LER (12)
NAME William F. Quinn (extension 6087) TELEPHONE NUMBER 6 0 2 9 4 3 - 7 2 0 0
AREA CODE 6 0 2

COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)										
CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPDs	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPDs	
B	J	E	R	J	X	X	9	9	9	N

SUPPLEMENTAL REPORT EXPECTED (14)
YES (If yes, complete EXPECTED SUBMISSION DATE) X NO
EXPECTED SUBMISSION DATE (15) MONTH DAY YEAR

ABSTRACT (Limit to 1400 spaces, i.e., approximately fifteen single-space typewritten lines) (16)

An automatic activation of the NSSS Engineered Safety Features Actuation System (ESFAS) Auxiliary Relay Cabinet occurred because of a Train "A" power supply failure. This failure occurred while transferring Train "B", Class 1E, 120 volt instrument AC power from the normal source to the alternate. All actuated ESFAS equipment functioned normally. The power supply was replaced and functionally checked. The NSSS ESFAS Auxiliary Relay Cabinet was returned to its normal condition.

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PDR ADOCK 05000528
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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

APPROVED OMB NO. 3150-0104

EXPIRES 8/31/85

FACILITY NAME (1) Palo Verde Unit 1	DOCKET NUMBER (2) 0 5 0 0 0 5 2 8	LER NUMBER (6)			PAGE (3)		
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			
		8 5	— 0 0 7	— 0 0	0 2	OF	0 2

TEXT (If more space is required, use additional NRC Form 366A's) (17)

On February 10, 1985 Palo Verde Unit 1 was in Mode 5. A planned Train "B" power outage was being implemented. Whenever 120 vac instrument power is transferred from its normal source to the alternate, a momentary loss of power is incurred. The auctioneered Train "A" power supply is required to supply power during this time. The Train "A" supply was defective and power was momentarily lost to the initiation relays in one-half of the NSSS ESFAS Cabinet. This caused the safety equipment to be actuated. When the Train "B" alternate supply resumed providing power, the NSSS ESFAS Cabinet reset automatically because of the power supply wiring configuration. No operator action was required to reset the actuation because of this.

The power supply for Train "A" was replaced, functionally checked, and the NSSS ESFAS system was returned to normal condition.

The failed power supply was inspected and a faulty transformer appeared to be the cause of the supply failure. The reason for the breakdown of the transformer could not be determined. The NSSS ESFAS Cabinet has not generated any further trips during power transfers since the power supply replacement on February 12, 1985.

On January 21, 1985, an alarm had been received for "ESFAS A Control Power Supply". The alarm was investigated and no apparent problems were found. This was attributed to one of the spurious alarms that had been occurring during the initial period of operation.



Arizona Nuclear Power Project

P.O. BOX 52034 • PHOENIX, ARIZONA 85072-2034

ANPP-32121-EEVB/WFQ

March 12, 1985

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

Subject: Palo Verde Nuclear Generating Station (PVNGS)
Unit 1
Docket No. STN 50-528, License No. NPF-34
Licensee Event Report
File: 85-056-026; G.1.01.10

Dear Sirs:

Attached please find Licensee Event Report (LER) No. 85-007-00 prepared and submitted pursuant to 10 CFR 50.73. By copy of this letter we are also forwarding a copy of the LER to the Regional Administrator of the Region V Office.

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

Very truly yours,

E. E. Van Brunt, Jr.
Executive Vice President
Project Director

EEVB/GEC/mb
Attachment

cc: J. B. Martin
R. P. Zimmerman
E. A. Licitra
A. C. Gehr
INPO Records Center

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