

## LICENSEE EVENT REPORT (LER)

FACILITY NAME (1)	DOCKET NUMBER (2)	PAGE (3)
Palo Verde Unit 1	0 5 0 0 0 5 2 8 1	OF 0 2

TITLE (4)

Loss of Indication and Closing Power on Spray Pond Pump Train "A"

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 1	1 3	8 5	8 5	0 0 2	0 1	0 5	0 6	8 5			0 5 0 0 0	
OPERATING MODE (9)			THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR 5: (Check one or more of the following) (11)									
6												
POWER LEVEL (10)			20.402(b)			20.405(c)			50.73(a)(2)(iv)			73.71(b)
0 1 0 1 0			20.405(a)(1)(i)			50.36(c)(1)			50.73(a)(2)(v)			73.71(e)
			20.405(a)(1)(ii)			50.36(c)(2)			50.73(a)(2)(vii)			X 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)			Voluntary Report
			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	TELEPHONE NUMBER
William F. Quinn (Extension 4087)	AREA CODE 6 1 0 2 9 1 4 3 1 - 1 7 1 2 1 0 1 0

COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)

CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NRC	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NRC
X	P B	S O 3 I G	0 8 1 0	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)

After issuance of an Operating License, a metal washer was discovered that was shorting out a type "752A" relay in the controlling breaker for the Essential Spray Pond Pump SPA-P01. This short had caused a fuse to open resulting in a loss of "open" indication (green light) and power to the closing circuit of the breaker.

The washer had apparently been left from the construction phase and a thorough check of the data for other breakers indicates that this problem was unique.

Following further investigation and review of this event, we have determined that it is not reportable within the guidelines of 10 CFR 50.73 and this revision is being submitted as a voluntary report.

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## LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

U.S. NUCLEAR REGULATORY COMMISSION

APPROVED OMB NO. 3150-0104

EXPIRES: 8/31/85

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

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

On January 13, 1985, Palo Verde Unit 1 was in Mode 6 and initial fuel loading had recently been completed. During plant start-up testing, at 0237, an inadvertant Control Room Essential Filtration Actuation Signal (CREFAS) occurred. This signal started the "A" Train Essential Spray Pond Pump SPA-P01 as per design. During the subsequent system reset and shutdown, at 0245, the operator noticed that no breaker "open" indication (green light) occurred. The operator inspected the fuse and found that is was open. The fuse was replaced and immediately opened again. Plant electricians were called to investigate the problem and work began at 0300.

The inoperability of this breaker affected Train "A" Spray Pond Pump, Shutdown Cooling System and Diesel Generator. At the time of this incident, Train "B" was operable.

A 7/16" washer was found lodged between the positive and negative leads of the 722X coil in the breaker. This washer had apparently been left on the coil during construction and had been hidden from visual observation by the coil's seismic shielding. Normal equipment vibration was determined to be the cause of the washer falling between the two leads and creating the electrical short. The problem was corrected by the plant electricians, under QC approval, and completed at 0700. The Train "A" Spray Pond Pump was declared operable at 0719.

Following further investigation and review of this event, we have determined that it is not reportable within the guidelines of 10 CFR 50.73 and this supplement is being submitted as a voluntary report.

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## Arizona Nuclear Power Project

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

ANPP-32560-EEVB/GEC  
May 6, 1985

Subject: Palo Verde Nuclear Generating Station (PVNGS)  
Unit 1  
Docket No. STN 50-528, License No. NPF-34  
Licensee Event Report-Loss of Indication and Closing Power  
on Spray Pond Pump Train "A"  
File: 85-056-026; G.1.01.10

Dear Sirs:

Attached please find Licensee Event Report- (LER) No. 85-002-01 prepared and submitted pursuant to 10 CFR 50.73. This LER addresses a loss of indication and closing power on Spray Pond Pump Train "A". This LER is a revision of LER 85-002-00 submitted on February 12, 1985. Following further investigation and review of this event, we have determined that it is not reportable within the guidelines of 10 CFR 50.73 and this supplement is being submitted as a voluntary report. 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/das  
Attachment

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

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