

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1)
Palo Verde Unit 1

DOCKET NUMBER (2)

0 5 0 0 0 5 1 2 8 1 OF 0 1 1

TITLE (4)

Spurious Automatic Engineered Safety Feature Actuation

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	2	3	8	5	8	5	0	5	3	0	5	0	0	0					
0	7	2	3	8	5	8	5	0	5	3	0	0	0	8	2	2	8	5		

OPERATING MODE (9)		THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §: (Check one or more of the following) (11)									
2		20.402(-)		20.406(c)		X	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)		
POWER LEVEL (10)	0 0 1 3	20.405(a)(1)(ii)		50.36(c)(2)			50.73(a)(2)(vii)				
		20.405(a)(1)(iii)		50.73(a)(2)(i)			50.73(a)(2)(viii)(A)		OTHER (Specify in Abstract below and in Text, NRC Form 366A)		
		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
W. F. Quinn, Manager - Nuclear Licensing (extension 4087)	6 0 1 2 9 1 4 1 3 1 - 1 7 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	IL	1 1 1	K101210	N					

SUPPLEMENTAL REPORT EXPECTED (14)

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

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

On July 23, 1985, Palo Verde Unit 1 was operating at 3 percent reactor power in Mode 2 when at 0028 a spurious failure of the Containment Purge "A" train radiation monitor (IL) resulted in actuations of the Containment Purge Isolation (JM) and Control Room Essential Filtration (VI) systems. The actuation system is designed to cross-trip the "A" and "B" trains of these safety systems, and did so, with all equipment performing satisfactorily.

The cause of the actuation was investigated on August 2, 1985; however, initial troubleshooting of the monitor did not identify the cause of the failure. The monitor was returned to service with the actuation function bypassed in an attempt to reproduce the failure. The failure did not reoccur over a period of three days and the monitor was returned to operable status on August 5, 1985. The failure was similar to one described in LER number 85-004; however, the previous failure was identified to have been caused by a spurious equipment failure signal. The root causes of these two spurious failures have been investigated; however, no conclusive results were obtained.

The monitor has not experienced any further spurious failures as of August 17, 1985. The equipment functioned correctly, performing its safety function upon failure, and did not threaten the safe operation of the plant.

The specific component failure leading to the spurious signal has not been identified, therefore, a component code has not been entered in the COMPONENT BLOCK in item 13.

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PDR ADOCK 05000528
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VI



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

August 22, 1985
ANPP-33250-EEVB/GEC

Subject: Palo Verde Nuclear Generating Station (PVNGS)
Unit 1
Docket No. STN 50-528, License No. NPF-41
Licensee Event Report - Spurious Automatic Engineered
Safety Feature Actuation
File: 85-056-026; G.1.01.10

Dear Sirs:

Attached please find Licensee Event Report (LER) No. 85-053-00 prepared and submitted pursuant to 10 CFR 50.73. This LER addresses an automatic actuation of an engineered safety feature system resulting from a spurious failure within the radiation monitoring system. In accordance with 10 CFR 50.73(d), we are herewith 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.

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

EEVB/GEC/slh
Attachment

cc: J. B. Martin (all w/a)
R. P. Zimmerman
A. L. Hon
E. A. Licitra
A. C. Gehr
INPO Records Center

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