

## 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)																																																	
Automatic Actuation of Control Room Essential Filtration Actuation Signal																																																	
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 9			1 9			8 5			8 5			0 6			2			0 0			1 0			1 8			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)																																							
3																																																	
POWER LEVEL (10)										20.402(b)										20.406(c)										X 50.73(a)(2)(iv)										73.71(b)									
0 1 0 1 0										20.406(a)(1)(i)										50.38(e)(1)										50.73(a)(2)(v)										73.71(e)									
										20.406(a)(1)(ii)										50.38(e)(2)										50.73(a)(2)(vi)										OTHER (Specify in Abstract below and in Text, NRC Form 366A)									
										20.406(a)(1)(iii)										50.73(a)(2)(i)										50.73(a)(2)(vii)(A)																			
										20.406(a)(1)(iv)										50.73(a)(2)(ii)										50.73(a)(2)(vii)(B)																			
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LICENSEE CONTACT FOR THIS LER (12)																																																	
NAME															TELEPHONE NUMBER																																		
William F. Quinn, Manager of Nuclear Licensing (ext. 4087)															6 1 0 1 2 9 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																						
SUPPLEMENTAL REPORT EXPECTED (14)																																																	
X YES (If complete EXPECTED SUBMISSION DATE)															NO																																		
															EXPECTED SUBMISSION DATE (15)																																		
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ABSTRACT (Limit to 1400 spaces, i.e., approximately fifteen single-space typewritten lines) (16)

On September 19, 1985, at 0131, Palo Verde Unit 1 was in Mode 3 at 565 degrees F and 2250 psia.

An automatic actuation of the Control Room Essential Filtration Actuation Signal (CREFAS)(JE) occurred due to a high radiation alarm on the Control Room Ventilation Radiation Monitoring Unit (IL). All equipment operated as designed; therefore, there were no safety implications. The Control Room Ventilation System was sampled by Radiation Protection; the sample indicated an activity of 1.83 E-10 microcuries per milliliter. A similar incident was reported in LER 85-064-00.

The alarm was due to random noise on the instrument ground bus. Operations Engineering is continuing an investigation to identify the cause of the noise. A supplement will be submitted when information is available as a result of the investigation.

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## LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

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	05000528815	—0	62	—0	0	2	OF 02

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

On September 19, 1985, at 0131 Palo Verde Unit 1 was in Mode 3 at 565 degrees F and 2250 psia. The Control Room Essential Filtration Actuation Signal (CREFAS)(JE) was automatically actuated by an alarm/actuation from the Control Room Ventilation Process Radiation Monitor (IL). All equipment operated as designed; therefore, there were no safety implications.

The CREFAS is actuated from the Balance of Plant Engineered Safety Features Actuation System (ESFAS)(JE) which receives a signal from the Control Room Ventilation Radiation Monitoring Unit. CREFAS will operate from a high radiation signal. The system computer indicated that high radiation caused the trip, with the radiation level indicating 2.72 E-05 microcuries per milliliter with a trip setpoint of 2.00 E-05 microcuries per milliliter. The Control Room Ventilation System was sampled by Radiation Protection and the sample indicated an activity of 1.83 E-10 microcuries per milliliter.

The radiation monitor microcomputer was grounded to the instrument ground bus and calibrated on August 29, 1985. This was accomplished to investigate the grounding design utilized in the radiation monitoring system as discussed in LER 85-31-00. The microcomputer utilized in the radiation monitoring system counts noise spikes on the instrument ground bus as pulses from the detector and consequently generated a false high radiation trip signal. A similar event was reported in LER 85-064-00.

The source of the noise on the instrument ground bus has not yet been identified because the noise is random and has not reoccurred. Operations Engineering is continuing an investigation to identify the cause of the noise. A supplement will be submitted when information is available as a result of the investigation.



## Arizona Nuclear Power Project

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

October 18, 1985  
ANPP-33757-EEVB/GEC

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-41  
Licensee Event Report - Automatic Actuation  
of Control Room Essential Filtration Actuation Signal  
File: 85-056-026; G.I.01.10

Dear Sirs:

Attached please find Licensee Event Report (LER) No. 85-062-00 prepared and submitted pursuant to 10 CFR 50.73. This LER addresses an automatic actuation of an Engineered Safety Feature, the Control Room Essential Filtration Signal. 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,

*EE Van Brunt/BSK*

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

EEVB/GEC/ds  
Attachment

cc: J. B. Martin (all w/a)  
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