

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										PAGE (3) 1 OF 0 2					
TITLE (4) Automatic Actuation of Balance of Plant Engineered Safety Feature System																									
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	4	1	3	8	5	8	5	0	2	2	0	0	0	5	1	3	8	5	0	5	0	0	0		
OPERATING MODE (9)		5		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)				20.406(c)				<input checked="" type="checkbox"/> 50.73(a)(2)(iv)				73.71(b)									
				20.406(a)(1)(i)				50.33(c)(1)				50.73(a)(2)(v)				73.71(c)									
				20.406(a)(1)(ii)				50.36(c)(2)				50.73(a)(2)(vi)				OTHER (Specify in Abstract below and in Text, NRC Form 365A)									
				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)													
				20.406(a)(1)(v)				50.73(a)(2)(iii)				50.73(a)(2)(x)													
LICENSEE CONTACT FOR THIS LER (12)																									
NAME W. F. Quinn (Ext. 4087)														TELEPHONE NUMBER 6 0 2 9 4 3 - 7 2 0 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)														EXPECTED SUBMISSION DATE (15)				MONTH	DAY	YEAR					
<input type="checkbox"/> YES (If yes, complete EXPECTED SUBMISSION DATE)														<input checked="" type="checkbox"/> NO											

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

Automatic Actuation of the Fuel Building Essential Ventilation System (FBEVS) occurred due to a spurious high radiation alarm on the Fuel Pool Area Radiation Monitoring Unit (RU-31). All attendant equipment actuated satisfactorily.

This actuation is considered random and is the first high radiation actuation on an area monitor. Similar actuations have occurred on Process Radiation Monitors and have been reported.

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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 2 2	— 0 0	0 2	OF	0 2

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

On April 13, 1985 at 0308, Palo Verde Unit 1 was in Mode 5 when the Fuel Building Essential Ventilation System was automatically operated by a spurious alarm/actuation from the Fuel Pool Area Radiation Monitor (RU-31). All attendant equipment operated satisfactorily.

The Fuel Building Essential Ventilation System is actuated from the Balance of Plant Engineered Safety Features Actuation System (BOP/ESFAS) which receives a signal from the Fuel Pool Area Radiation Monitoring Unit. The signal operates from a high radiation alarm in the Radiation Monitor. The system computer identified that a high radiation signal caused the trip, with the radiation level indicating 1.03E+03 with a setpoint of 3.00E-00 millirem per hour. The duration of the alarm was less than 16 seconds.

The cause of the high radiation signal was not identified. Routine radiological surveys have not detected radiation above naturally occurring background levels. It is, therefore, believed that this actuation was caused from random spikes due to electronic circuit noise.

The following activity is ongoing at this time:

Evaluation of the design of grounding utilized in the radiation monitoring system and the effects that noise spikes in the ground system may have on the radiation monitors. Corrective action will be taken as necessary.

This actuation is considered random and is the first high radiation actuation on an area monitor. Similar actuations have occurred on Process Radiation Monitors and have been reported.



Arizona Nuclear Power Project

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

ANPP-32621-EEVB/GEC
May 13, 1985

Subject: Palo Verde Nuclear Generating Station (PVNGS)
Unit 1
Docket No. STN 50-528, License No. NPF-34
Licensee Event Report-Automatic Actuation of Balance of Plant
Engineered Safety Feature System
File: 85-056-026; G.1.01.10

Dear Sirs:

Attached please find Licensee Event Report (LER) No. 85-022-00 prepared and submitted pursuant to 10 CFR 50.73. This LER addresses an automatic actuation of the Balance of Plant Engineered Safety Feature System. 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 / BSK

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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