

## 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)

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

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(c)	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(c)					
		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)(ix)						

## LICENSEE CONTACT FOR THIS LER (12)

NAME	TELEPHONE NUMBER
William F. Quinn (extension 6087)	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 NPDs	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPDs

## SUPPLEMENTAL REPORT EXPECTED (14)

SUPPLEMENTAL REPORT EXPECTED (14)		EXPECTED SUBMISSION DATE (15)	MONTH	DAY	YEAR
X YES (If yes, complete EXPECTED SUBMISSION DATE)	NO		0	6	3 0 8 5

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

Automatic actuation of the Control Room Essential Filtration Actuation Signal occurred due to a spurious auxiliary equipment failure alarm on the control room ventilation radiation monitoring unit. All attendant equipment actuated satisfactorily. The cause of the auxiliary equipment failure alarm was indeterminant.

This event is a supplement to LER # 85-005-00.

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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 5	— 0 1	0 2	OF	0 2

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

On February 10, 1985 at 2320 Palo Verde Unit 1 was in Mode 5. Train "A" of shutdown cooling was in operation and the plant was in the process of deenergizing the "B" Train electrical plant when the Balance of Plant Engineered Safety Features Actuation System (BOP/ESFAS) was automatically actuated by a spurious auxiliary equipment failure alarm of the control room ventilation radiation monitor. This equipment failure alarm signal caused actuation of the Control Room Essential Filtration Actuation Signal (CREFAS) Train "A" and "B"; all attendant equipment operated satisfactorily. An air sample was taken and no radiation was detected.

The CREFAS signal will operate from either a high radiation signal or an equipment failure signal from the control room ventilation radiation monitor's relays located in the remote indicating controller, situated in the control room. The auxiliary equipment failure alarm lasted less than six seconds, the polling time of the radiation monitoring system computer, and was not identified on the computer.

All indication available on the radiation monitor indicated that it was operable.

This event was similar to the actuations reported on LER #85-005-00.

Subsequent similar actuations occurred on February 11 at 0938, February 12 at 2357, and February 15 at 1630.

Troubleshooting indicated that the shield wires on communication cables were not grounded. These shields were attached to ground on February 15, 1985.

In addition, a safety evaluation was performed to remove the auxiliary equipment failure signal of the radiation monitoring system from actuating the Engineered Safety Features Actuation Systems. The evaluation identified the following:

1. Auxiliary equipment failure actuations are not required per the Technical Specifications and the FSAR descriptions are not affected.
2. Sufficient redundancy exists in the plant design that actuations will occur in the event of actual high radiation.
3. Administrative procedures are in place in that in the event of a sustained equipment failure alarm, operators are directed to comply with the minimum channels operable and action statements of the Technical Specifications.

The equipment failure signal was eliminated from Engineered Safety Features Actuation Systems on February 20, 1985 on a Temporary Modification. A permanent plant design change is expected to be completed by July 1, 1985.



## Arizona Nuclear Power Project

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ANPP-32122-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. 85-005-01 prepared and submitted pursuant to 10 CFR 50.73. LER No. 85-005-00 was submitted on February 28, 1985. This report encompasses events of February 10, February 11, February 12, and February 15, 1985, which were verbally reported on those respective dates pursuant to 10 CFR 50.72(b)(2)(ii). 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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