NRC Form 396 (9-83)	LICENSEE	EVENT REP	PORT	(LER)	U.S. NUR AJ ED	CLEAR REGULATO	DRY COMMISSION 1. 3150-0104		
FACILITY NAME (1)	DOCKET NUMBER (2) PAGE (3)								
Palo Verde Unit l						0  5  0  0  0  5  2  8 1 OF 0  2			
TITLE (4)		6							
Automatic Actuation o	f Balance	of Plant	Engi	neered S	afety Fea	ature Sys	tem		
EVENT DATE (5) LER NUMBER (6)	REPOI	AT DATE (7)		FACILITY NAM	ACILITIES INVOL	DOCKET NUMBER	1(5)		
MONTH DAY YEAR YEAR NUMBER NU	DAY YEAR		TACIET TAA		0 151010101 1 1				
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0 2 1 0 8 5 8 5 0 0 5 0		1 1 1				0 1510 10	101 1 1		
OPERATING THIS REPORT IS SUBMITTED PURSU	ANT TO THE REQ	UIREMENTS OF 10	CFR 5: 10	theck one or more a	t the following) (11	)			
MODE (9) 5 20.402(b)	20.405(c)		X	50.73(a)(2)(iv)		73.71(b)			
POWER 20.406(a)(1)(i)	50.36(c)(1)	1		50.73(a)(2)(v)		73.71(e)			
(10) 01010 20.405(a)(1)(W)	50.36(c)(2	)		50.73(a)(2)(vii)	6. C. (20)	OTHER (Specify in Abstract			
20.408(a)(1)(iii)	60.73(a)(2)	HO		50.73(a)(2)(viii)(A	,	386A/			
20.408(a)(1)(iv)	50.73(a)(2)	)(8)		60.73(a)(2)(vill)(8	1				
20.405(a)(1)(v)	50.73(e)(2)	P(111)		80.73(a)(2)(x)					
NAME	LICENSEE CO	INTACT FOR THIS	LER (12)		1	TELEPHONE NUM	IFR		
					AREA CODE	ELEPTIONE NOM			
William F. Quinn (extension 608	7)				61012	914 131-	17 1 2 10 10		
COMPLETE ONE LIN	E FOR EACH COM	PONENT FAILURE	DESCRIBE	D IN THIS REPORT	(13)	14131-	1/ 12/0/0		
CAUSE SYSTEM COMPONENT MANUFAC REPORT	ABLE	CAUSE	SYSTEM	COMPONENT	MANUFAC	REPORTABLE TO NPRDS			
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				111			· · · ·		
SUPPLEMENTAL RI	EPORT EXPECTED	(14)			EXPECTE	D	DAY YEAR		
VES III VES COMPANY EXPECTED SURMISSION DATE	h	NO			DATE (18	0.6	210 915		
ABSTRACT /Limit to 1400 speces, i.e. approximately fifteen single-spe	ce typewritten lines)	(16)				1010	12002		
Automatic actuation of the signal occurred due to a spi control room ventilation ra ment actuated satisfactorily was indeterminant. This event is a supplement	Control R urious au adiation y. The c to LER #	oom Essen xiliary e monitorin ause of t 85-005-00	tial quipm g uni he au	Filtratio ent failu t. All a xiliary e	n Actuati re alarm ttendant quipment	on the equip- failure a	larm		
8503250386 850312 PDR ADOCK 05000528 S PDR									

NRC Form 368 (9-83)

U.S. NUCLEAR REGULATORY COMMISSION APPROVED OM6 NO. 3150-0104

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FACILITY NAME (1)	DOCKET NUMBER (2)	L	ER NUMBER (6)	PAGE (3)	
		YEAR	SEQUENTIAL REVISION NUMBER NUMBER		
Palo Verde Unit 1	0 15 10 10 10 151218	815 -	- 01015 - 011	012 OF 012	
TEXT III more space is required, use additional NRC Form 366A v/ (17) On February 10, 1985 at 2320 Palo shutdown cooling was in operation	Verde Unit 1 was i and the plant was	in Mode	5. Train "A" process of	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.
- Sufficient redundancy exists in the plant design that actuations will occur in the event of actual high radiation.
- 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.

RC Form 386A



Arizona Nuclear Power Project

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

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 Bru

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