NRC Form 366 (9-83)	LIC	ENSEE EVE	NT RE	PORT	(LER)	U.S. NU	CLEAR REGUL APPROVED ON EXPIRES \$/31/	ATORY CON 18 NO 3150- 10	MISSION
FACILITY NAME (1)					1	DOCKET NUMBER	(2)	PA	GE IS
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MODE (9) 20.402(b)		20.405(c)		_	50.73(e)(2)(iv)		73.71(b)		
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20.406(a)(1)(v)		50.73(a)(2)(iii)			50.73(a)(2)(x)				
	L	ICENSEE CONTACT	FOR THIS	LER (12)					
NAME						AREA CODE	TELEPHONE N	UMBER	
William F. Quinn, Manager	- Nuclea	ar Licensi	na (E	xtens	ion 4087)	6.0.12	9.4.3.	-1712	. 0. 0
COMPLETE	ONE LINE FOR	EACH COMPONENT	FAILURE	DESCRIBE	O IN THIS REPOR	T (13)	19 14 19 1	1/12	1010
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This is a supplement On August 2, 1985, P system (AB) at appro by the containment s reviewed the situati core, and verified n spray system (BE) ac Upon consideration o would be prudent to spray system and iso by the Technical Spe Specification 3.0.3 The cause of the sig initiation switch, w cycled to remove any the system was retur of six hours and fou	to LER alo Verd ximately pray act on and co o valid tuation. f overal prevent lated bo cificati at 0010 mals was hich app buildup ned to o r minute	85-056-00 de Unit 1 w 335 psia tuation log conditions conditions condition 11 plant st an inadven oth trains lons. This on August s identifie parently have perability as, after w	vas in and gic (, in th exis tatus tatus tatus tatus tatus of th 3, 1 ed as ad consystem 7. Th which	n Mod 250°F JE) on he rea ted wi , the actuance system 285. a mai crodeon n was he system time	e 4 with when 2 s ccurred. actor coo hich requ operator ation of stem, a c he unit i in contro d contact monitore stem was the isol	the react purious a Licensed lant syst ired a co s determine the contain ondition n complia l board n s. The s d to asso inoperablation val	tor cool actuation d operat tem and ontainment ined it ainment prohibin ance wit manual switch we ure that le a tot lves wer	ant ors nt ted h	1
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LICENSEE	EVENT	REPORT	(LER)	TEXT	CONTINUATION	
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US NUCLEAR REGULATORY COMMISSION APPROVED OMB NO 3150-0104

FACILITY NAME (1)	DOCKET NUMBER (2)	T	LER NUMBER (6) PAGE (3)						
		YEAR	T	SEQUENTIAL	REV SION				
Palo Verde Unit 1	0  5  0  0  0  5   2  8	815	-	01516	- 011	012 01 013			

This is a supplement to LER 85-056-00.

On August 2, 1985, Palo Verde Unit 1 was in Mode 4 with the Reactor Coolant System (AB) at approximately 335 psia and 250°F. The unit entered Mode 4 at 2038.

At 2328, and again at 2343, the plant experienced partial trips of the Containment Spray Actuation System (JE). These partial trips were on the "A" and "B" train portion of the system, with the "1-3" leg of the actuation logic relays indicating the trip. No evidence of valid containment high pressure signals existed which would have required a containment spray (BE) actuation. The licensed operators requested that maintenance personnel investigate the incident in an attempt to determine the cause of the partial trip of the actuation system. The technicians who investigated the situation were not immediately able to determine the cause of the signals. At that time, the operators considered the significant potential effect that an inadvertent system actuation could have on the plant, the relatively small amount of decay heat present in the core due to the low burnup of the initial nuclear fuel, and the status of the primary system pressure and temperature, and decided to voluntarily enter the provisions of Technical Specification 3.0.3. At 0010 on August 3, 1985, the Containment Spray System discharge header isolation valves (1-SI-UV-671 and 672) were isolated to remove the possibility of an inadvertent containment spray actuation. Isolation of these valves placed both trains of the Containment Spray System into an inoperable condition. Both trains required isolation because the actuation logic which was experiencing the spurious trips would cause actuation of both trains of the Containment Spra7 System.

In parallel with the actions taken to prevent inadvertent actuation, the control room contacted the responsible engineering personnel to request their assistance in diagnosis and correction of the problem. The engineering staff determined that a potential source of the problem was the "A" train manual initiation switch for the Containment Spray Actuation System located on the main control board. The engineers requested the switch be cycled to remove possible corrosion from the contacts of the switch. The control room operators cycled the switch six times. After each cycle, the logic was reset satisfactorily. The system was then monitored for approximately four hours, during which no further trips were experienced. At 0614, the isolation valves were reopened and the system was returned to operable status having been out of service a total of six hours and four minutes.

Throughout this event, the Reactor Coolant System was maintained at approximately 335 psia and 250°F.

RC Form 366A

NAC Forp 366A	EE EVENT REPORT (LER) TEXT CONTINU	N	U.S. NUCLEAR REGULATORY COMMISSION APPROVED OMR NO. 3150-0104 EXPIRES. 8/31/88			
FACILITY NAME (1)	DOCKET NUMBER (2)		LER NUMBER (6)	1	PAGE (3)	
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Palo Verde Unit 1	0 15 10 10 1 51 218	8 15	-01516	-0.12	013 OF	013

Following the event termination, a work request was generated to replace the switch which was responsible for the spurious signals. This work was completed by August 6, 1985.

This event had little effect on the safe operation of the plant. As described above, the reactor coolaat system was maintained with a relatively low specific energy in the system coolant. Also, due to the low burnup of the reactor fuel, the decay heat load present in the system was only a fraction of what is normally found following power operations. Analysis indicated that the existing decay heat would not provide adequate energy to damage the fuel integrity in the event of a design basis accident. These factors combined with the negative effects of an inadvertent actuation of the spray system, and subsequent degradation of the containment environment, justified the decision to enter Specification 3.0.3.

The NRC Operations Center and Senior Resident Inspector were notified of this event at 1730 and 1830 respectively, August 3, 1985.

There are no similar events.

TEXT If mure space is required, use additional NRC Form 3864's/(17)



Arizona Nuclear Power Project P.O. BOX 52034 • PHOENIX, ARIZONA 85072-2034

> March 18, 1986 ANPP-35576-EEVB/JBK/98.05

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 NPF-41) Licensee Event Report - 85-056-01 File: 86-020-404

Dear Sirs:

Attached please find Supplement Number 01 to Licensee Event Report (LER) No. 85-056-00 prepared and submitted pursuant to 10 CFR 50.73. In accordance with 10 CFR 50.73(d), we are herewith forwarding a copy of this report to the Regional Administrator of the Region V Office.

If you have any questions, please contact me.

Very truly yours,

IE22

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

EEVB/JBK/rw Attachment

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