

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) Palo Verde Unit 1										DOCKET NUMBER (2) 0 5 0 0 0 5 2 8					PAGE (3) 1 OF 0 2		
TITLE (4) Declared Inoperability of Both Emergency Core Cooling System Trains																	
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	2	5	8	5	8	5	0	3	0	0	0	0	0	0	0	0
OPERATING MODE (9)			THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §: (Check one or more of the following) (11)														
4			20.402(b)				20.405(c)				50.73(a)(2)(iv)				73.71(b)		
POWER LEVEL (10)			20.405(a)(1)(i)				50.36(c)(1)				X 50.73(a)(2)(v)				73.71(c)		
0 0 0			20.405(a)(1)(ii)				50.36(c)(2)				50.73(a)(2)(vii)				OTHER (Specify in Abstract below and in Text, NRC Form 365A)		
			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)(x)						
LICENSEE CONTACT FOR THIS LER (12)																	
NAME										TELEPHONE NUMBER							
William F. Quinn, Manager-Nuclear Licensing (Extension 4087)										AREA CODE 6 0 2 9 4 3 1 - 17 2 0 0							
COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)																	
CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPRDS		CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPRDS							
SUPPLEMENTAL REPORT EXPECTED (14)										EXPECTED SUBMISSION DATE (15)		MONTH	DAY	YEAR			
YES (If yes, complete EXPECTED SUBMISSION DATE)										X NO							

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

On April 25, 1985, both Emergency Core Cooling System (ECCS) trains were declared inoperable due to the indeterminate operability of Containment Recirculation Sump Isolation check valves, 1PSIAV0206 of Train "A" and 1PSIBV0205 of Train "B".

These two valves had been disassembled and the seats repaired (lapped) due to suspected leakage. The valves were not, however, retested in compliance with Section XI of the ASME code prior to initial entry into Mode 4.

To prevent recurrence of this event, a list of applicable valves covered by Section XI of the ASME code has been prepared by Operations Engineering. This list will be issued to all working groups associated with this class of valves.

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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	05000528	85	030	00	02	OF 02

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

On April 25, 1985, at 1530 with Unit 1 in Mode 4, both ECCS trains were declared inoperable due to the indeterminate operability of Containment Recirculation Sump Isolation Check Valves 1PSIAV0206 of Train "A" and 1PSIBV0205 of Train "B".

The provision of Section XI of the ASME Boiler and Pressure Vessel Code, pursuant to Technical Specification Surveillance Requirement 4.0.5.a, regarding the testing of valves to demonstrate that the performance parameters which could be affected by performed replacement, repair, or maintenance are within acceptable limits, were not met. Subsequent to operability testing of valves 1JSIAV0205 and 1JSIBV0206 on March 4, 1985, and February 20, 1985, respectively, the valves were disassembled and the valve seats lapped due to suspected seat leakage. The valves were not retested in compliance with Section XI of the ASME code prior to entry into Mode 4 on April 21, 1985.

Train "A" Containment Sump Isolation Check Valve 1JSIAV0205 was reworked by Contractor Work Order #00081667, which was closed on April 10, 1985. A seat leakage test and visual observation of the absence of leakage to the containment sump were performed as retests.

Train "B" Containment Sump Isolation Check Valve 1JSIBV0206 was reworked by Contractor Work Order #00081372 which also addressed replacement of Train "B" Containment Sump Isolation Valves 1JSIBUV0675 and 1JSIBUV0676. The work order was closed on April 4, 1985. No retest requirements for 1JSIBV0206 are specified in the work order.

The testing oversight was discovered during a review by Engineering on the afternoon of April 25, 1985. The Shift Supervisor was notified of a Potentially Reportable Occurrence at 1344, and both trains of ECCS were declared Inoperable at 1530 hours. Testing to determine valve operability commenced at 1532. Operability of 1JSIBV0206 was verified at 1600 hours by partial stroking open in accordance with Surveillance Test Procedure 73ST-9ZZ17 (Surveillance Work Order #00084985). Valve 1JSIAV0205 was verified Operable at 1701 hours by partial stroking open in accordance with the same surveillance test procedure (STWO #000849585). Both ECCS trains were declared operable at 1730 on April 25, 1985, following the Shift Supervisor's review of test results.

Contrary to Administrative Control Station Procedure 30AC-0ZZ09, contractor work orders, and 73AC-0ZZ30, Testing of Safety Related Pumps and Valves, the retesting requirements were not properly identified and performed prior to returning the valves to service. Station procedures, however, do adequately address the specification of retests in work documents, or as attachments to work documents. The failure to comply with Technical Specification Surveillance Requirement 4.0.5.a and the subsequent declaration of ECCS Train "A" and Train "B" inoperable is the cognitive error by personnel in identification of necessary testing.

Operations Engineering has prepared a list of applicable valves covered by Section XI of the ASME code. This list will be issued to all working groups that deal with this class of valve to prevent recurrence of this event.



Arizona Nuclear Power Project

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ANPP-32734-EEVB/WFQ

May 25, 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 - Declared Inoperability of Both
Emergency Core Cooling System Trains
File: 85-056-026; G.1.01.10

Dear Sirs:

Attached please find Licensee Event Report (LER) No. 85-030-00 prepared and submitted pursuant to 10 CFR 50.73. This LER addresses a declared inoperability of both Emergency Core Cooling System trains. 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,

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

EEVB/GEC/dlm
Attachment

cc: J. B. Martin
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