

REGULATORY INFORMATION DISTRIBUTION ITEM (RIDS)

ACCESSION NBR: 8704130629 DOC. DATE: 87/03/30 NOTARIZED: NO DOCKET #  
 FACIL: STN-50-528 Palo Verde Nuclear Station, Unit 1, Arizona Publi 05000528  
 AUTH. NAME AUTHOR AFFILIATION  
 BRADISH, T. R. Arizona Nuclear Power Project (formerly Arizona Public Serv  
 HAYNES, J. G. Arizona Nuclear Power Project (formerly Arizona Public Serv  
 RECIP. NAME RECIPIENT AFFILIATION

SUBJECT: LER 85-035-01: on 850525 & 0604, pump performance tests not reviewed within 96 h, per IWP-3220 of ASME Code. Caused by procedural error. Procedures for surveillance program changed to direct all procedures to engineers. W/870330 ltr.

DISTRIBUTION CODE: IE22D COPIES RECEIVED: LTR 1 ENCL 1 SIZE: 6  
 TITLE: 50.73 Licensee Event Report (LER), Incident Rpt, etc.

NOTES: Standardized plant. M. Davis, NRR: 1Cy. 05000528

	RECIPIENT ID CODE/NAME	COPIES LTTR ENCL	RECIPIENT ID CODE/NAME	COPIES LTTR ENCL
	PD5 LA	1 1	PD5 PD	1 1
	LICITRA, E	1 1	DAVIS, M	1 1
INTERNAL:	ACRS MICHELSON	1 1	ACRS MOELLER	1 1
	ACRS WYLIE	1 1	AEOD/DOA	1 1
	AEOD/DSP/ROAB	2 2	AEOD/DSP/TAPB	1 1
	NRR/ADT	1 1	NRR/DEST/ADE	1 0
	NRR/DEST/ADS	1 0	NRR/DEST/CEB	1 1
	NRR/DEST/ELB	1 1	NRR/DEST/ICSB	1 1
	NRR/DEST/MEB	1 1	NRR/DEST/MTB	1 1
	NRR/DEST/PSB	1 1	NRR/DEST/RSB	1 1
	NRR/DEST/SGB	1 1	NRR/DLPQ/HFB	1 1
	NRR/DLPQ/QAB	1 1	NRR/DOEA/EAB	1 1
	NRR/DREP/EPB	1 1	NRR/DREP/RAB	1 1
	NRR/PMAS/ILRB	1 1	NRR/PMAS/PTSB	1 1
	<u>REG FILE</u> 02	1 1	RES SPEIS, T	1 1
	RONS FILE 01	1 1		
EXTERNAL:	EO&G GROH, M	5 5	H ST LOBBY WARD	1 1
	LPDR	1 1	NRC PDR	1 1
	NSIC HARRIS, J	1 1	NSIC MAYS, G	1 1

NOTES: 1 1



## 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 3		
TITLE (4) Failure to Perform ASME Section XI Required Test Review																
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 5	2 5	8 5	8 5	0 3 5	0 1	0 3	3 0	8 7	N/A				0 5 0 0 0			
OPERATING MODE (9) 2			THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §: (Check one or more of the following) (11)													
POWER LEVEL (10) 0 0 2			20.402(b)			20.405(c)			50.73(a)(2)(iv)				73.71(b)			
			20.405(a)(1)(i)			50.38(c)(1)			50.73(a)(2)(v)				73.71(c)			
			20.405(a)(1)(ii)			50.38(c)(2)			50.73(a)(2)(vii)				OTHER (Specify in Abstract below and in Text, NRC Form 368A)			
			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 Thomas R. Bradish, Compliance Supervisor (Ext. 6936)										TELEPHONE NUMBER 6 0 2 9 3 2 1 - 5 3 0 0						
COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)																
CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPDOS		CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPDOS						
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)																

At the time of these events, Palo Verde Unit 1 was in Mode 2 at normal operating temperature and pressure.

Palo Verde Unit 1 Technical Specification (Tech Spec) 4.0.5 specifies the Surveillance Requirements for inservice inspection and testing of ASME Code Class 1, 2, and 3 components. This inspection and testing shall be performed in accordance with Section XI of the ASME Boiler and Pressure Vessel Code.

Twice on May 25 and once on June 4, 1985, pump performance test results were not reviewed within the 96 hours required by IWP-3220 of the ASME Code.

The cause of these events has been determined to be procedural errors in the routing of test data that caused review delay. Steps will be taken to eliminate these procedural errors in routing.

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PDR ADQCK 05000528  
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## LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

U.S. NUCLEAR REGULATORY COMMISSION

APPROVED OMB NO 3150-0104

EXPIRES: 8/31/88

FACILITY NAME (1)	DOCKET NUMBER (2)	LER NUMBER (6)			PAGE (3)		
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			
Palo Verde Unit 1	0   5   0   0   0   5   2   8	8   5	—   0   3   5	—   0   1	0   2	OF	0   3

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

Palo Verde Unit 1 Tech Spec 4.0.5 specifies the Surveillance Requirements for inservice inspection and testing of ASME Code Class 1, 2, and 3 components. The results of the pump performance tests that took place on May 18, 1985, May 21, 1985, and May 30, 1985 were not reviewed by the reviewing engineers within the 96 hours required by IWP-3220 of the ASME Boiler and Pressure Vessel Code, Section XI.

These events occurred while the unit was in Mode 2 at normal operating temperature and pressure.

The following three events occurred that exceeded the required 96 hour review requirement:

1. The Train "B" Containment Spray Pump (BE) was tested on May 18, 1985, at 1500 hours. The test results were not reviewed until 0928 on May 25, 1985.
2. The Train "B" Essential Spray Pond Pump (BS) was tested at 0640 hours on May 21, 1985, but the ASME review did not occur until 0934 hours on May 25, 1985.
3. The Train "A" Charging Pump (CB) was tested on May 30, 1985, at 0212 hours. The ASME review was not completed until June 4, 1985, at 1407 hours.

In all three cases, the pump test results met acceptance criteria at the test time and all were declared operable by the Shift Supervisor.

The routing procedure, then in effect for completed tests was: 1) From Control Room to Drawing and Document Control (DDC), 2) DDC to the Surveillance Program Control Group (SPCG) and, 3) SPCG to the reviewing engineer.

The following corrective actions are being implemented to prevent a recurrence of these events.

1. The controlling procedure for the Surveillance Program (73AC-9ZZ04) has been changed to direct DDC to forward all completed pump surveillance procedures directly to the reviewing engineers and then to SPCG.
2. The reviewing engineers will be placed on the distribution list for all surveillance test schedules to keep them apprised of pump testing in advance of procedure performance.
3. Additionally, the Shift Technical Advisors (STAs) (Utility licensed and non-licensed) perform a review of the completed tests in the control room to fulfill the 96 hour review requirement. The STAs are onshift



## LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

U.S. NUCLEAR REGULATORY COMMISSION

APPROVED OMB NO 3150-0104

EXPIRES: 8/31/88

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 3 5	- 0 1	0 3	OF	0 3

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

## 3. Continued

24 hours a day, 7 days a week, so the tests can be reviewed shortly after completion. The original corrective action taken for this event involved the use of a label to identify ASME Section XI tests. However, the STAs now perform the test review in order to minimize the time between completion of testing and the review of the test data and to reduce the possibility of misplaced test packages.

No previous similar events have been reported.





## 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	
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TITLE (4)

## Failure to Perform ASME Section XI Required Test Review

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 7	0 3	8 5	8 5	0 4 5	0 1	0 3	3 0	8 7	N/A						0 5 0 0 0					
									N/A						0 5 0 0 0					

OPERATING MODE (9) 1		THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §: (Check one or more of the following) (11)																		
POWER LEVEL (10) 0 1 3 1 8	20.402(b)					20.406(c)					50.73(a)(2)(iv)					73.71(b)				
	20.406(a)(1)(i)					50.38(c)(1)					50.73(a)(2)(v)					73.71(c)				
	20.406(a)(1)(ii)					50.38(c)(2)					50.73(a)(2)(vi)					OTHER (Specify in Abstract below and in Text, NRC Form 366A)				
	20.406(a)(1)(iii)					X 50.73(a)(2)(i)					50.73(a)(2)(viii)(A)									
	20.406(a)(1)(iv)					50.73(a)(2)(ii)					50.73(a)(2)(viii)(B)									
	20.406(a)(1)(v)					50.73(a)(2)(iii)					50.73(a)(2)(ix)									

## LICENSEE CONTACT FOR THIS LER (12)

NAME Thomas R. Bradish, Compliance Supervisor (Ext. 6936)										TELEPHONE NUMBER									
										AREA CODE 6 0 2 9 3 2 - 5 3 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)

YES (If yes, complete EXPECTED SUBMISSION DATE)		X NO		EXPECTED SUBMISSION DATE (15)		MONTH	DAY	YEAR

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

On July 3, 1985, Palo Verde Unit 1 was in Mode 1 and at 38 percent reactor power.

Palo Verde Unit 1 Technical Specification (Tech Spec) 4.0.5 specifies the Surveillance Requirements for inservice inspection and testing of ASME Code Class 1, 2, and 3 components. This inspection and testing shall be performed in accordance with Section XI of the ASME Boiler and Pressure Vessel Code.

Procedure 41ST-1SI10 was performed on the train "B" High Pressure Safety Injection Pump (HPSI)(BQ) on June 22, 1985. The pump test results were not reviewed within the required time limit of 96 hours.

The cause of this is the same as in LER 85-035-00. Procedural errors in the routing of test data caused the review delay. Steps had been taken to eliminate these procedural errors but were not fully implemented at the time of this event. These steps are now complete.



## LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

U.S. NUCLEAR REGULATORY COMMISSION

APPROVED OMB NO 3150-0104

EXPIRES: 8/31/88

FACILITY NAME (1)	DOCKET NUMBER (2)	LER NUMBER (6)			PAGE (3)	
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER		
Palo Verde Unit 1	0 5 0 0 0 5 2 8	8 5	— 0 4 5	— 0 1	0 2	OF 0 2

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

Palo Verde Unit 1 Technical Specification (Tech Spec) 4.0.5 specifies the Surveillance Requirements for inservice inspection and testing of ASME Code Class 1, 2, and 3 components. The results of the pump performance test that took place on July 3, 1985 were not reviewed by the reviewing engineers (non-licensed utility and contract) within 96 hours required by IWP-3220 of the ASME Boiler and Pressure Vessel Code, Section XI. This was discovered by the engineers doing the review.

This event occurred while the unit was in Mode 1 and at 38 percent reactor power with normal operating temperature and pressure.

HPSI "B" pump had been tested on June 22, 1985 at 1107. The required ASME review of the test results were not completed until July 3, 1985 at 1212. This event is identical with those incidents identified in LER 85-035-00. At that time the following corrective actions were specified to correct the problem.

1. The controlling procedure for the Surveillance Program (73AC-9ZZ04) has been changed to direct Drawing and Document Control (DDC) to forward all completed pump surveillance procedures directly to the reviewing engineers and then to the Surveillance Program Control Group (SPCG).
2. The reviewing engineers have been placed on the distribution list for all surveillance test schedules to keep them apprised of pump testing in advance of procedure performance.
3. Additionally, the Shift Technical Advisors (STAs) (Utility licensed and non-licensed) perform a review of the completed tests in the control room to fulfill the 96 hour review requirement. The STAs are onshift 24 hours a day 7 days a week, so the tests can be reviewed shortly after completion. The original corrective action taken for this event involved the use of a label to identify ASME Section XI tests. However, the STAs now perform the test review in order to minimize the time between completion of testing and the review of the test data and to reduce the possibility of misplaced test packages.

At the time of this most recent event, the corrective action had not been fully implemented. This was determined to be the root cause of the event.

In addition to the corrective action stated, the reviewing engineers will monitor the required surveillance test schedules and will alert DDC on the timeliness of review/requirements.

The ASME review was completed on July 3, 1985. The results of the review revealed that the HPSI "B" pump passed satisfactorily. Therefore this event had no impact on the health and safety of the public.

A similar event was reported in LER 528-85-035.





## Arizona Nuclear Power Project

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

192-00171-JGH/TRB/JHT

March 30, 1987

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  
Licensee Event Reports 85-035-01 and 85-045-01  
File: 87-020-404

Dear Sirs:

Attached please find Supplement Nos. 01 to Licensee Event Report (LER) Nos. 85-035-00 and 85-045-00 prepared and submitted pursuant to the requirements of 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 T. R. Bradish, Compliance Supervisor at (602) 932-5300, Ext. 6936.

Very truly yours,

J. G. Haynes  
Vice President  
Nuclear Production

JGH/TRB/cld

Attachment

cc: O. M. DeMichele (all w/a)  
E. E. Van Brunt, Jr.  
J. B. Martin  
R. P. Zimmerman  
R. C. Sorenson  
E. A. Licitra  
A. C. Gehr  
INPO Records Center

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