

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) Palo Verde Unit 1	DOCKET NUMBER (2) 0 5 0 0 0 0	PAGE (3) 1 OF 03
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TITLE (4)

Improper Procedures For Testing Essential Air Filtration Units

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
0	7	0	5	8	5	8	5	0	5
0	7	0	5	8	5	8	5	0	5
0	7	0	5	8	5	8	5	0	5

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

LICENSEE CONTACT FOR THIS LER (12)

NAME William F. Quinn, Manger - Nuclear Licensing (ext. 4087)	TELEPHONE NUMBER AREA CODE 6 0 2 9 4 3 - 7 2 0 0
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COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)

CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPROS	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPROS

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 5, 1985, Palo Verde Unit 1 was in Mode 1 at 12% reactor power. Technical Specification Limiting Condition for Operation (LCO), requiring two independent Control Room Essential Air Filtration Units (LE) be operable in all modes, was not met.

The Technical Specification LCO requirement that two independent ESF pump room air exhaust cleanup systems in Modes 1 through 4 shall be operable was also not met.

The Essential Air Filtration Units for the Control Room, and Engineered Safety Feature pump rooms, were declared inoperable because sampling procedures affected their operability.

When both trains of either of the Essential Filtration Systems are inoperable, the plant is placed in Technical Specification LCO 3.0.3.

Measures were initiated to place the plant in HOT STANDBY. The ESF pump room and the Control Room essential AFUs were declared operable before the power level was required to be lowered.

The U.S. NRC Operations Center notified under 10CFR 50.72 (b)(1)(i)(A).

The sampling procedure had been in effect since November 13, 1984. New procedures were written and put in effect on July 16, 1985 to correct the problem.

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	0500052885	85	041	00	02	OF 03

TEXT (If more space is required, use additional NRC Form 365A's) (17)

At 1605, on July 5, 1985, Palo Verde Unit 1 was in Mode 1 at 12% reactor power, when the Control Room and Engineered Safety Feature (ESF) pump rooms, Essential Air Filtration Units (AFU)[LE] were declared inoperable.

The AFUs were declared inoperable because sampling procedures used to obtain samples affected their operability.

Technical Specification 3.7.7 Limiting Condition for Operation requires that "two independent control room essential filtration systems shall be operable in all modes."

Technical Specification 3.7.8 LCO requires that "two independent ESF pump room exhaust cleanup systems shall be operable" in Modes 1 through 4.

When both trains of either of the essential filtration systems are inoperable, the plant is placed in Technical Specification Limiting Condition for Operation (LCO) 3.0.3.

LCO 3.0.3 requires that within 1 hour, action shall be initiated to place the unit in a mode which the specification does not apply. The plant then must be put in HOT STANDBY within an additional 6 hours.

At 1703 measures were initiated to place the unit in HOT STANDBY within 6 hours. The ESF pump rooms and the Control Room Essential AFUs were declared operable at 1715 and 1719, respectively. The plant then exited LCO 3.0.3. Actual power level decrease had not yet begun.

At 1800, the U.S. NRC Operation Center was notified under 10CFR 50.72(b)(1)(i)(A).

On October 18, 1984, the initial surveillance tests for the Control Building Essential Filtration Charcoal Units were performed. Prior to the performance of the test, Chemistry attempted to obtain caps to plug the threaded nipples when the charcoal canisters were removed from them. No caps could be located. A decision was made to remove the charcoal from the test canister, and reinstall the canister with a paper towel placed in it. The Surveillance Test Procedures for sampling Technical Specification related ventilation systems were revised to reflect this change on November 13, 1984. The canisters remained in this condition from October 18, 1984 until July 5, 1985.

On July 5, 1985, it was determined that placing the paper towel in the charcoal canister could have made the filters inoperable.

The nipples that hold the charcoal canister bypass the charcoal filter units, i.e., the air is not filtered after it goes through the canister. With only a paper towel in the canister, the air passing through the canister was not charcoal filtered.

To make the systems operable, the charcoal canisters, with the paper towels in them, were removed and caps were located and installed on the nipples.

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

On July 16, 1985, new procedures were written and put in effect to incorporate these changes.

This event had no impact on the safe operation of the plant.



Arizona Nuclear Power Project

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U.S. Nuclear Regulatory Commission
Document Control Desk
Washington, D. C. 20555

August 5, 1985
ANPP-33176-EEVB/GEC

Subject: Palo Verde Nuclear Generating Station (PVNGS)
Unit 1
Docket No. STN 50-528, License No. NPF-41
Licensee Event Report - Improper Procedures for
Testing Essential Air Filtration Units
File: 85-056-026; G.I.01.10

Dear Sirs:

Attached please find Licensee Event Report (LER) No. 85-041-00 prepared and submitted pursuant to 10 CFR 50.73. This LER addresses improper procedures for testing essential air filtration units. 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,

EE Van Brunt ASK

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

EEVB/GEC/slh
Attachments

cc: J. B. Martin (all w/a)
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