NRC Form 366
(9-83)

U.S. NUCLEAR REGULATORY COMMISSION
APPROVED OMB NO. 3150-0104
EXPIRES: 8/31/85

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1)	DOCKET NUMBER (2)	PAGE (3)
Palo Verde Unit 1	0 5 0 0 0 5 2 8	1 OF 0 2

TITLE (4)
Diesel Generator Failure as per Technical Specifications

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 3	2 9	8 5	8 5	0 2 6	0 0	0 4	2 9	8 5		0 5 0 0 0
										0 5 0 0 0

OPERATING MODE (9)	POWER LEVEL (10)	THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §: (Check one or more of the following) (11)			
5	0 0 0	20.402(b)	20.405(c)	50.73(a)(2)(iv)	73.71(b)
		20.405(a)(1)(i)	50.36(c)(1)	50.73(a)(2)(v)	73.71(c)
		20.405(a)(1)(ii)	50.36(c)(2)	50.73(a)(2)(vii)	X OTHER (Specify in Abstract below and in Text, NRC Form 366A)
		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)	Special Report
		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 (Extension 4087)	AREA CODE 6 0 2 — 9 4 3 - 7 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)

This Special Report is required by Palo Verde Unit 1 Technical Specification (Tech. Spec.) 4.8.1.1.3.

Unit 1 Diesel Generator "B" failed to attain the required frequency within 10 seconds (actual time: 10.64 seconds) per Tech. Spec. 4.8.1.1.2.d.4.(d). This start failure was the third (3rd) failure (on a per nuclear unit basis) in five (5) valid tests placing Unit 1 in a shortened test interval schedule per Regulatory Guide (R.G.) 1.108.C.2.d.(3).

Similar circumstances and conclusions were documented in Special Report #85-018-00 for a start failure of Diesel Generator "B" on March 8, 1985.

This event, however, had the same cause, and requires the same corrective action as that reported before. Therefore, Unit 1 will maintain the test schedule specified in R.G. 1.108.C.2.d.(2).

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

Mr. John B. Martin, Regional Administrator
Office of Inspection and Enforcement
U.S. Nuclear Regulatory Commission
Region V
1450 Maria Lane, Suite 210
Walnut Creek, CA 94596-5368

ANPP-32516-EEVB/GEC
April 29,1985

Subject: Palo Verde Nuclear Generating Station (PVNGS)
Unit 1
Docket No. STN 50-528, License No. NPF-34
Special Report - Diesel Generator Failure
File: 85-056-026; G.1.01.10

Dear Mr. Martin:

Attached please find a Special Report prepared and submitted pursuant to Specifications 4.8.1.1.3 and 6.9.2 of Appendix A (Technical Specifications) to the Palo Verde Nuclear Generating Station, Unit No. 1 Operating License. The report discusses diesel generator failures. This Special Report is submitted as Licensee Event Report (LER) 85-026-00.

If you have any questions or concerns, please contact me.

Very truly yours,

EEVanBrunt/BBK

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

EEVB/GEC/slh
Attachments

cc: A. C. Gehr
R. P. Zimmerman
A. L. Hon
E. A. Licitra
INPO Records Center

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NRC Form 366A
(9-83)

LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

U.S. NUCLEAR REGULATORY COMMISSION
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	0 5 0 0 0 5 2 8	8 5	— 0 2 6	— 0 0	0 2 OF 0 2

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

On March 29, 1985, at 0542, Unit 1 Diesel Generator "B" was determined inoperable due to not meeting the acceptance criteria of Surveillance Test 41ST-1DG02.

Unit 1 Diesel Generator "B" failed to attain the required frequency within 10 seconds (actual time: 10.64 seconds) per Technical Specification 4.8.1.1.2.d.4.(d). This start failure was the third (3rd) failure (on a per nuclear unit basis) in five (5) valid tests placing Unit 1 in a shortened test interval schedule per R.G. 1.108.C.2.d.(3)

A strip chart recorder was installed on Diesel Generator "B" and three (3) troubleshooting start attempts were performed between March 29th and 30th, with no changes, adjustments or alterations of the diesel generator system. The recorder data from the first start attempt could not be analyzed due to the voltage and speed channels of the chart recorder not connected properly, however, all other parameters appeared normal. After the chart recorder was reconnected and adjusted, a second and third troubleshooting start attempt was performed, both successfully meeting the acceptance criteria per Technical Specification 4.8.1.1.2.d.4. Diesel Generator "B" was not determined operable at this time, however, pending resolution of an internal investigation.

Evaluation of the circumstances surrounding this start attempt failure have shown that Diesel Generator "B" performed as designed with the start failure attributed to a test performance error and not an actual Diesel Generator failure. Similar circumstances and conclusions were documented in Special Report #85-018-00 for a start failure of Diesel Generator "B" on March 8, 1985. All corrective action identified in that Special Report was being implemented, including installation of a chart recorder for start timing and the associated surveillance test procedure changes. However, the design changes were not completed and Engineering was not aware of the anticipated test performance such that the chart recorder installation and procedure changes could be expedited.

Since this Diesel Generator start failure is attributed to the same cause and requires the same corrective action as that reported in Special Report 85-018-00, Unit 1 will maintain the test schedule specified in R.G. 1.108.C.2.d.(2).