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NAC Form 366A (9-83)	LICENSEE EVENT REPORT (LER) TEXT CONTINUATION						U.S. NUCLEAR REGULATORY COMMISSION APPROVED OMB NO 3150-0104 EXPIRES: 8/31/86					
FACILITY NAME (1)	DOCKET NUMBER (2)		LER NUMBER (6)				PAGE (3)					
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This is a supplement to LER 85-074-00.

TEXT (If more spece is required, use additional NRC Form 386A's) (17)

On October 29, 1985, Palo Verde Unit 1 was in Mode 3 (HOT STANDBY) at 565 degrees F and 2250 psia. Reactor Coolant Pump (RCP)(AB)(P) 2A was started at 1320 and normal RCP running indication was observed. Approximately 30 seconds later, a loss of power was experienced to the 13.8 kV bus NAN-SO1 (EA) (NSBU) due to an 86 lockout on the cross-tie breaker NAN-SO3B (EA)(BKR). Cause of the 86 lockout was a bus fault between buses NAN-SO3 (EA) (NSBU) and NAN-SO1. This also caused a loss of power to radiation monitors (IL) which actuated the Fuel Building Essential Ventilation Actuation System (FBEVAS)(JE), Control Room Essential Filtration Actuation System (CREFAS)(JE) and Containment Purge Isolation Actuation System (CPIAS)(JE). All systems performed as designed and, at 1346, FBEVAS, CREFAS, and CPIAS were all reset. The event lasted a total time of approximately 26 minutes.

The root cause of the incident was the methodology used during the original construction and installation of the Calvert Buses, since the approved installation specifications were not followed. The incident occurred due to an insulation insert under the boot connection not being installed. This insert was also found missing on other connections.

To prevent recurrence, all the Calvert Buses in Units 1 and 2 have been inspected at flexible and solid splices, and reworked where necessary. Unit 3 is in the process of a similar inspection and reworks will be conducted as necessary.

The inspections and reworks have been/are being conducted under the controls of the licensee's work control program to ensure timely and complete corrective actions.

There were no unusual characteristics of the work location, no errors in the installation specification, and no component, system, or safety train failures that contributed to the event. No safety limits were approached, no fission product barriers were challenged, and all safety equipment functioned as designed. Therefore, there was no threat to the health and safety of the public.

No similar events have previously occurred.



Arizona Nuclear Power Project

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

May 9, 1986 ANPP-36542-EEVB/JRP-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 - 85-074-01 File: 86-020-404

Dear Sirs:

Attached please find Supplement Number 01 to Licensee Event Report (LER) No. 85-074-00 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 cf the Region V Office.

If you have any questions, please contact me.

Very truly yours, auldau

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

EEVB/PGN/rw Attachment

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