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 Document Control Branch (Document Control Desk)

SUBJECT: Special rept 2-sr-87-018: on 870523, high & low range noble
 gas activity monitors inoperable for greater than 72 h.
 Caused by defective amplifier displacement card which cause
 low readings. Card replaced.

DISTRIBUTION CODE: IE22D COPIES RECEIVED: LTR 1 ENCL 1 SIZE: 2
 TITLE: 50.73 Licensee Event Report (LER), Incident Rpt, etc.

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

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	PD5 LA	1 1		PD5 PD	1 1
	LICITRA, E	1 1		DAVIS, M	1 1
INTERNAL:	ACRS MICHELSON	1 1		ACRS MOELLER	2 2
	AEOD/DOA	1 1		AEOD/DSP/ROAB	2 2
	AEOD/DSP/TPAB	1 1		DEDRO	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/SQB	1 1
	NRR/DLPQ/HFB	1 1		NRR/DLPQ/QAB	1 1
	NRR/DOEA/EAB	1 1		NRR/DREP/RAB	1 1
	NRR/DREP/RPB	2 2		NRR/PMAS/ILRB	1 1
	NRR/PMAS/PTSB	1 1		REG FILE 02	1 1
	RES DEPY GI	1 1		RGNS FILE 01	1 1
EXTERNAL:	EG&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



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192-00232-JGH-TRB/ESP

June 22, 1987

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

Subject: Palo Verde Nuclear Generating Station (PVNGS)
Unit 2
Docket No. STN 50-529 (License NPF-51)
Special Report 2-SR-87-018
File: 87-020-404

Dear Sirs:

Attached please find a Special Report 2-SR-87-018 prepared and submitted pursuant to Technical Specifications 3.3.3.8 and 6.9.2. This report discusses Radiation Monitoring Units inoperable for greater than 72 hours.

If you 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/ESP/ibb

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PALO VERDE NUCLEAR GENERATING STATION

Radiation Monitors Inoperable for Greater Than 72 Hours

License No. NPF-51

Docket No. STN 50-529

Special Report No. 2-SR-87-018

This Special Report is being submitted pursuant to Technical Specification (T.S.) 3.3.3.8 ACTION 42 b and T.S. 6.9.2 to report an event in which the hi and low range noble gas activity monitors (RU-145 and RU-146) were inoperable for greater than 72 hours. The 72 hour limit for operability was exceeded at approximately 1308 MST on May 23, 1987. Pursuant to T.S. 3.3.3.8 ACTION 42 a the Preplanned Alternate Sampling Program was initiated to monitor the fuel building ventilation system.

At approximately 1308 MST on May 20, 1987, Palo Verde Unit 2 was in Mode 1 (POWER OPERATION) when RU-145 and RU-146 were taken out of service to allow the performance of the 18 month calibration test.

During testing it was discovered that RU-146 Channel 2 was reading lower than expected during calibration. A work authorizing document was issued to troubleshoot and repair the detector. Troubleshooting revealed that a defective amplifier displacement card was causing the low readings.

In the event that Channel 2 had been reading low during the period between calibration, increased radiation levels would have been detected by the low range monitor (RU-145).

As an immediate corrective action, the card was replaced. A root cause of failure request has been initiated and will address the potential of similar cases in other monitors encompassing all three units. .

Upon completion of the work order and appropriate surveillance test, RU-145 and 146 will be restored to an operable status. The monitors are expected to be returned to service before July 1, 1987.

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