

# REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

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SUBJECT: Forwards suppl to Special Rept 2-SR-87-021 prepared &  
 submitted per Tech Spec 3.3.3.8 & 6.9.2. Rept discusses  
 radiation monitoring unit inoperable for more than 72 h.

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 TITLE: 50.73 Licensee Event Report (LER), Incident Rpt, etc.

NOTES: Standardized plant.

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	NRR/DRIS/SIB	1 1		NRR/PMAS/ILRB	1 1
	REG FILE 02	1 1		RES DEPY GI	1 1
	RES TELFORD, J	1 1		RES/DE/EIB	1 1
	RGN5 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



## Arizona Nuclear Power Project

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192-00265-JGH/TRB/TJB

October 23, 1987

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

Dear Sirs:

Subject: Palo Verde Nuclear Generating Station  
Unit 2  
Docket No. STN 50-529 (License NPF-51)  
Supplement to Special Report 2-SR-87-021  
File: 87-020-404

Attached please find a Supplement to Special Report 2-SR-87-021 prepared and submitted pursuant to Technical Specifications 3.3.3.8 and 6.9.2. This report discusses a radiation monitoring unit which was inoperable for greater than 72 hours.

If you have any questions, please contact Tom Bradish, Compliance Supervisor at (602) 393-3531.

Very truly yours,

J. G. Haynes  
Vice President  
Nuclear Production

JGH/TRB/TJB/cld

### Attachment

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PALO VERDE NUCLEAR GENERATING STATION

RADIATION MONITOR INOPERABLE FOR GREATER THAN 72 HOURS

License No. NPF-51

Docket No. STN 50-529

Special Report No. 2-SR-87-021-01

This Special Report is being submitted pursuant to Technical Specification (T.S.) 3.3.3.8 ACTION 42b and T.S. 6.9.2 to report an event in which the Condenser Evacuation System high range monitor (RU-142) was inoperable for greater than 72 hours. The 72 hour limit for operability was exceeded at approximately 1043 MST on June 25, 1987. Pursuant to T.S. 3.3.3.8 ACTION 42a the Preplanned Alternate Sampling Program was initiated to monitor the plant ventilation system.

At approximately 1043 MST, on June 22, 1987 Palo Verde Unit 2 was in Mode 1 (POWER OPERATION) at 100 percent power when the Condenser Evacuation System - low range monitor (RU-141) stopped communicating with the mini computer and experienced a microprocessor lockup (monitor will not count). Since RU-141 supplies sample flow to RU-142, the malfunction of RU-141 caused RU-142 to be declared inoperable.

Troubleshooting was conducted in an attempt to reset the Central Processing Unit (CPU) to remove the monitor from the lockup condition. The CPU board was removed and inspected for wear. No evidence of oxidation or excessive wear on the edge connectors was found. A new CPU board was installed and the lockup cleared. The CPU board will be examined in an effort to determine the cause of the malfunction. The monitor was then connected to the test equipment to perform the quarterly functional test. During the test, the monitor did not pass the low flow equipment fail step indicating a leak in the piping connections. Troubleshooting revealed minor air leakage between the flow instrument and the monitor inlet piping. The root cause of the air leakage was found to be a galled swagelock "T" connector. As an immediate corrective action, the "T" was replaced.

Upon completion of the work order and appropriate surveillance test, RU-141 and 142 were restored to an operable status on July 1, 1987 at 1000 MST. The monitor was out of service for 8 days, 23 hours and 17 minutes.