

# REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

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 FACIL: STN-50-528 Palo Verde Nuclear Station, Unit 1, Arizona Public 05000528  
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 HAYNES, J. G. Arizona Nuclear Power Project (formerly Arizona Public Serv  
 RECIP. NAME RECIPIENT AFFILIATION  
 Document Control Branch (Document Control Desk)

SUBJECT: Special Rept 1-SR-87-019: on 870504, radiation monitor  
 declared inoperable due to spurious detector failure alarms.  
 Cause of alarms unknown. Monitor returned to operability  
 after completion of surveillance testing.

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.

05000528

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	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/SGB	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	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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192-00227-JGH-TRB/TJB

June 8, 1987

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

Subject: Palo Verde Nuclear Generating Station (PVNGS)  
Unit 1  
Docket No. STN 50-528 (License NPF-41)  
Special Report 1-SR-87-019  
File: 87-020-404

Dear Sirs:

Attached please find a Special Report 1-SR-87-019 prepared and submitted pursuant to Technical Specifications 3.3.3.1 and 6.9.2. This report discusses a Radiation Monitor inoperable for greater than 72 hours.

If you have 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/TJB/cld

Attachment

cc: O. M. DeMichele (all w/a)  
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PALO VERDE NUCLEAR GENERATING STATION

Special Report No. 1-SR-87-019

RADIATION MONITORING UNIT NOT RESTORED WITHIN 72 HOURS

Docket No. STN 50-528

License No. NPF-41

This Special Report is required by Palo Verde Unit 1 Technical Specification 3.3.3.1, Table 3.3-6, ACTION 27 for a Radiation Monitor which was inoperable for greater than 72 hours.

At approximately 0516 MST on May 4, 1987, Palo Verde Unit 1 was in Mode 1 (POWER OPERATION) operating at 100 percent power when a Containment Building Area Radiation Monitor (RU-149) was declared inoperable due to spurious detector failure alarms. The Preplanned Alternate Program to monitor the appropriate parameters was initiated as required when the monitor could not be restored to operability by 0516 on May 7, 1987.

Troubleshooting to determine the cause of the alarms was commenced under an approved work order. During the course of troubleshooting the monitor's signal and high voltage cables were removed and a simulated signal was introduced. The monitor was observed for any anomalies. Subsequent troubleshooting consisted of observing the monitor following the installation of a temporary ground, the subsequent restoration of the signal and high voltage cables, and the removal of the temporary ground. However, a cause for the spurious alarms could not be determined. The radiation monitor was put back on line on May 14, 1987, but was maintained in an inoperable status to allow for additional troubleshooting and monitoring for approximately twenty three days. No failures or abnormalities were detected during this time period.

Because of the inability to recreate the spurious alarms and the inability to isolate a particular deficiency, no root cause could be identified. An Engineering Evaluation Request (EER) is currently being dispositioned to allow the monitor to be returned to service. Upon satisfactory disposition of the EER and the completion of the appropriate surveillance testing, RU-149 will be restored to an operable status. The monitor is expected to be declared operable by June 10, 1987. Should RU-149 exhibit similar problems, further troubleshooting will be conducted to try and determine a root cause.

