

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

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 AUTH. NAME AUTHOR AFFILIATION
 HAYNES, J. G. Arizona Nuclear Power Project (formerly Arizona Public Serv
 RECIP. NAME RECIPIENT AFFILIATION
 Document Control Branch (Document Control Desk)

SUBJECT: Special Rept 2-SR-87-024; on 870915, fuel bldg B vent exhaust
 low & high range monitors declared inoperable & placed in
 bypass due to problems w/recurrent voltage spiking & false
 background readings. Engineering evaluation underway.

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

NOTES: Standardized plant.

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	RECIPIENT ID CODE/NAME	COPIES LTTR ENCL	RECIPIENT ID CODE/NAME	COPIES LTTR ENCL
	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/NAS	1 1
	AEOD/DSP/ROAB	2 2	AEOD/DSP/TPAB	1 1
	ARM/DCTS/DAB	1 1	DEDRO	1 1
	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/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

PALO VERDE NUCLEAR GENERATING STATION
RADIATION MONITORING UNIT INOPERABLE FOR GREATER THAN 72 HOURS
License No. NPF-51
Docket No. STN 50-529
Special Report No. 2-SR-87-024

This Special Report is being submitted in accordance with Technical Specification (T.S.) 3.3.3.8 ACTION 42 (b) and 6.9.2 to report an event in which a high range noble gas monitor (RU-146) was inoperable for greater than 72 hours. The 72 hour limit for inoperability was exceeded at approximately 0927 MST on September 18, 1987.

At approximately 0927 MST on September 15, 1987 Palo Verde Unit 2 was in Mode 1 (POWER OPERATION) at 100 percent power when the Fuel Building "B" Vent Exhaust Low and High Range Monitors (RU-145/146) were declared inoperable and placed in bypass due to problems with recurrent voltage spiking and false background radiation readings on RU-145.

Monitors RU-145 and RU-146 monitor the fuel building ventilation exhaust for release of activity due to a fuel handling accident. Monitor RU-145 performs the safety function of isolating the normal ventilation system by initiating a Fuel Building Essential Ventilation Actuation Signal (FBEVAS) on a HIGH-HIGH activity alarm. Monitors RU-145 and RU-146 work as a pair, with RU-145 being the low range monitor and RU-146 being the high range monitor. Normal configuration consists of RU-145 operating and RU-146 in standby. When RU-145 reaches its maximum range, RU-146 starts and RU-145 goes to standby. RU-145 and RU-146 are required to be operable in Modes 1, 2, 3 and 4 or when irradiated fuel is in the fuel storage pool. Since RU-145 and RU-146 work in tandem, RU-146 must be declared inoperable if RU-145 malfunctions.

Flowrate estimates were initiated at least once every four hours, grab samples at least once every twelve hours, and particulate and iodine sampling on a continuous basis, in accordance with T.S. 3.3.3.8 ACTIONS 36, 37 and 40. Provisions were also made to ensure compliance with T.S. 3.3.3.8 ACTION 41 and 3.9.12 ACTION (b).

At approximately 1950 MST on September 17, 1987, the particulate and iodine samplers, flowrate monitor and sample flowrate measuring device of the subject monitors were determined to be unaffected by the voltage spiking problem. These functions were returned to service at approximately 2035 MST on September 18, 1987, at which time T.S. 3.3.3.8 ACTIONS 36 and 40 were exited. The noble gas monitor function for both monitors remained inoperable under the provisions of T.S. 3.3.3.8 ACTION 37, 41, 42 and 3.9.12 ACTION (b), as noted above.

At approximately 0915 MST on September 24, 1987, all functions for RU-145/146 were declared inoperable to permit troubleshooting and engineering evaluation under an approved work document, at which time the compensatory measures specified by T.S. 3.3.3.8, ACTIONS 36 and 40 were reinstated. These actions are currently in effect pending completion of the engineering evaluation and implementation of appropriate corrective action.

A supplement to this special report will be issued upon completion of the activities noted above.



Arizona Nuclear Power Project

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

192-00289-JGH-TRB/KCP

October 14, 1987

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

Dear Sirs:

Subject: Palo Verde Nuclear Generating Station (PVNGS)
Unit 2
Docket No. STN 50-529 (License NPF-51)
Special Report 2-SR-87-024
File: 87-020-404

USNRC-DS
1981 OCT 20 A 9 45

Attached please find a Special Report 2-SR-87-024 prepared and submitted pursuant to Technical Specifications 3.3.3.8 and 6.9.2. This report discusses a radiation monitor that was inoperable for greater than 72 hours.

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

Very truly yours,

J. G. Haynes / snb
J. G. Haynes
Vice President
Nuclear Production

JGH/TRB/KCP/cld

Attachment

cc: O. M. DeMichele (all w/a)
E. E. Van Brunt, Jr.
J. B. Martin
J. R. Ball
E. A. Licitra
A. C. Gehr
INPO Records Center

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