

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 3-SR-87-005: on 871020, condenser evacuation sys
 radioactive gaseous effluent monitors declared inoperable
 due to erratic readings on RU-141. Caused by noise within
 detector. Detector replaced & surveillance commenced.

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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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		



Arizona Nuclear Power Project

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

192-00315-JGH/TRB/JEM

November 18, 1987

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

Dear Sirs:

Subject: Palo Verde Nuclear Generating Station (PVNGS)
Unit 3
Docket No. STN 50-530 (License No. NPF-65)
Special Report 3-SR-87-005
File: 87-020-404

Attached please find Special Report 3-SR-87-005 prepared and submitted pursuant to Technical Specifications 3.3.3.8 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 Lead at (602) 393-3531.

Very truly yours,

J. G. Haynes
Vice President
Nuclear Production

JGH/TRB/JEM/kj

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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PALO VERDE NUCLEAR GENERATING STATION

Radiation Monitoring Unit Inoperable for Greater Than 72 Hours

License No. NPF-65

Docket No. STN 50-530

Special Report No. 3-SR-87-005

This Special Report is being submitted pursuant to Technical Specification 3.3.3.8 ACTION 42b and Technical Specification 6.9.2 to report an event in which a Radioactive Gaseous Effluent Monitor, (Condenser Evacuation High Range Noble Gas Activity Monitor) RU-142, was inoperable for greater than 72 hours. The 72 hour limit for returning to operability was exceeded at approximately 1000 MST on October 23, 1987. Pursuant to Technical Specification 3.3.3.8 ACTION 42a the Preplanned Alternate Sampling Program was initiated to monitor the Condenser Evacuation System.

At approximately 1000 MST on October 20, 1987, Palo Verde Unit 3 was in Mode 3 (HOT STANDBY) when the Condenser Evacuation System Radioactive Gaseous Effluent Monitors, low range RU-141 and high range RU-142, were declared inoperable due to erratic readings on RU-141.

Monitors RU-141 and RU-142 work as a pair with RU-141 being the low range monitor and RU-142 being the high range monitor. Normal configuration consists of RU-141 operating and RU-142 in standby. When RU-141 reaches its maximum range, RU-142 starts and RU-141 goes to standby. Since RU-141 and RU-142 work in tandem, both monitors must be declared inoperable if the other malfunctions.

Troubleshooting, rework, and replacement of components was performed in accordance with an approved work control document. The cause of the erratic readings was determined to be noise within the detector. The detector was replaced and surveillance testing to return the monitor to operable status was commenced. During performance of the surveillance test it was identified that there was a lack of response in the Skid Mounted Indicator Controller (SMIC). Further troubleshooting identified that the SMIC interface board was faulty. The interface board was replaced and troubleshooting was completed. The interface board was sent to the Instrument and Control rework shop for rework or to be forwarded to the vendor for rework.

Surveillance tests are being performed in order to return RU-141 and RU-142 to operable status. It is anticipated that the monitors will be returned to operable status by November 30, 1987.

