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 FACIL: STN-50-528 Palo Verde Nuclear Station, Unit 1, Arizona Publi 05000528
 AUTH. NAME AUTHDR AFFILIATION
 HAYNES, J. G. Arizona Nuclear Power Project (formerly Arizona Public Serv
 RECIP. NAME RECIPIENT AFFILIATION
 MARTIN, J. B. Region 5, Office of Director

SUBJECT: RD 1-SR-87-013: on B70130 fuel bldg ventilation sys high
 range monitor RU-145 was declared inoperable while in Mode
 5. On B70304 monitor RU-146 was declared inoperable while in
 Mode 3. No caused identified.

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

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Arizona Nuclear Power Project

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192-00185-JGH/TRB/TJB

April 1, 1987

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TELETYPE

Mr. John B. Martin, Regional Administrator
Office of Inspection and Enforcement
U.S. Nuclear Regulatory Commission
Region V
1450 Maria Lane, Suite 210
Walnut Creek, CA 94596-5368

Subject: Palo Verde Nuclear Generating Station
Unit 1
Docket No. STN 50-528 (License NPF-41)
Special Report 1-SR-87-013
File: 87-020-404

Dear Mr. Martin:

Attached please find a Special Report 1-SR-87-013 prepared and submitted pursuant to Technical Specifications 3.3.3.9 and 6.9.2. This report discusses the inoperability of the Fuel Building Radiation Monitor for greater than 72 hours.

If you have any questions, please contact Tom Bradish, Compliance Supervisor at (602) 932-5300, Ext. 6936.

Very truly yours,

J. G. Haynes

J. G. Haynes
Vice President
Nuclear Production

JGH/TRB/TJB/cld

Attachment

cc: O. M. DeMichele (all w/a)
E. E. Van Brunt, Jr.
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INPO Records Center

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PALO VERDE NUCLEAR GENERATING STATION

Special Report 1-SR-87-013

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 Specifications 3.3.3.9, Table 3.3-13, ACTION 42-b and 6.9.2 for a Radiation Monitor which was inoperable for greater than 72 hours.

The Fuel Building Ventilation System High Range Monitor (RU-146) was initially declared inoperable as a result of the Fuel Building Ventilation System Low Range Monitor (RU-145) being declared inoperable. RU-145 was declared inoperable due to alarms which were verified to be spurious by subsequent sampling. Since RU-145 supplies sample flow to RU-146, the malfunction of RU-145 caused RU-146 to be declared inoperable.

RU-145 was declared inoperable at 1617 MST on January 30, 1987 with Palo Verde Unit 1 in Mode 5 (COLD SHUTDOWN). However, Technical Specification Table 3.3-13 does not require that RU-145/RU-146 be operable until Mode 4 (HOT SHUTDOWN) which was entered at 1604 on March 1, 1987 following the recent outage.

At 1604 on March 4, 1987, Palo Verde Unit 1 was in Mode 3 (HOT STANDBY) when RU-146 had been inoperable for more than 72 hours. The Pre-Planned Alternate Sampling Program was initiated as an interim compensatory measure as required by Technical Specification Table 3.3-13, Action 42-A. This measure included the utilization of a portable area radiation monitor.

Engineering personnel conducted troubleshooting of RU-145, in accordance with approved work documents, to determine the cause of the spurious alarms. No root cause could be identified. RU-145 has been monitored since entering Mode 4 and has been observed to be operating satisfactorily. Following successful completion of the appropriate Surveillance Testing, both monitors were returned to service on March 30, 1987. Should RU-145 exhibit similar problems, further troubleshooting will be conducted to try and determine a root cause.

