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RECIP.NAME RECIPIENT AFFILIATION
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SUBJECT: Special Rept 2-SR-91-002:on 911107,fuel bldg ventilation sys high-range radioactive gaseous effluent monitor inoperable for more than 72 h.Caused by power supply deenergized for scheduled maint.Monitor returned to svc on 911114.

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Arizona Public Service Company
PALO VERDE NUCLEAR GENERATING STATION
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JAMES M. LEVINE
VICE PRESIDENT
NUCLEAR PRODUCTION

192-00760-JML/TRB/RKR
December 5, 1991

U. S. Nuclear Regulatory Commission
Attention: Document Control Desk
Mail Station P1-37
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Dear Sirs:

Subject: Palo Verde Nuclear Generating Station (PVNGS)
Unit 2
Docket No. STN 50-529 (License No. NPF-51)
Special Report 2-SR-91-002
File: 91-020-404

Attached please find Special Report 2-SR-91-002 prepared and submitted pursuant to Technical Specifications 3.3.3.8 ACTION 42(b) and 6.9.2. This report discusses a radiation monitor being inoperable for greater than 72 hours. We are forwarding a copy of the Special Report to the Regional Administrator of the Region V office.

If you have any questions, please contact Thomas R. Bradish, Compliance Manager, at (602) 393-2521.

Very truly yours,

James M Levine

JML/TRB/RKR/nk

Attachment

cc: W. F. Conway (all with attachment)
J. B. Martin
D. H. Coe

Cert No P852421154

IE22
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PALO VERDE NUCLEAR GENERATING STATION UNIT 2

Radiation Monitoring Unit Inoperable Greater Than 72 Hours

License No. NPF-51

Docket No. 50-529

Special Report 2-SR-91-002

Initial Conditions:

This Special Report is being submitted pursuant to Technical Specification (TS) 3.3.3.8 ACTION 42(b) and TS 6.9.2 to report an event in which the Fuel Building Ventilation System High Range Radioactive Gaseous Effluent Monitor (RU-146) was inoperable for a period greater than 72 hours. The 72 hour period for returning the monitor to service was exceeded at approximately 1604 MST on November 10, 1991. On November 10, 1991, Palo Verde Unit 2 was in a refueling outage with the core offloaded to the spent fuel pool.

Background Information:

Radiation Monitors RU-145 (Fuel Building Ventilation System Low Range Radioactive Effluent Monitor) and RU-146 monitor the Fuel Building Ventilation Exhaust for release of radioactivity in the event of a fuel handling accident. Radiation Monitors RU-145 and RU-146 work as a pair with RU-145 being the low range monitor for normal radioactive gaseous effluent and RU-146 being the high range monitor for post-accident radioactive gaseous effluent. Normal configuration consists of RU-145 operating and RU-146 in standby. When RU-145 reaches a predetermined setpoint, RU-146 starts and RU-145 goes to standby. RU-145 also initiates a Fuel Building Essential Ventilation Actuation Signal (FBEVAS) when the activity exceeds a predetermined setpoint. Since RU-145 and RU-146 work in tandem, RU-146 must be declared inoperable if RU-145 is out of service.

Actions Taken:

On November 7, 1991, at approximately 1604 MST, the B train class 1E 4160 volt bus (2E-PBB-S04) was deenergized to perform scheduled maintenance during the refueling outage. This bus supplies power to Radiation Monitors RU-145 and RU-146. Therefore, RU-145 and RU-146 were removed from service at approximately 1604 MST on November 7, 1991. Alternate sampling was initiated in accordance with the Preplanned Alternate Sampling Program to monitor the Fuel Building Ventilation System fulfilling TS 3.3.3.8 ACTIONS 36, 37, 40 and 42, as applicable. RU-145 and RU-146 were returned to service at approximately 1334 MST on November 14, 1991 after the B train class 1E 4160 volt bus (2E-PBB-S04) was reenergized.

Cause of the Inoperability:

RU-146 was inoperable because its power supply was deenergized for scheduled maintenance during the refueling outage, as described above.

Plans and Schedule for Restoring the System to Service:

Radiation monitors RU-145 and RU-146 were returned to an OPERABLE status following reenergization of the B train class 1E 4160 volt bus (2E-PBB-S04) at approximately 1334 MST on November 14, 1991. The monitors were out of service approximately 6 days 21 hours 30 minutes.