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SUBJECT: Special Rept 2-SR-89-006:on 890817,radiation monitoring unit inoperable for greater than 72 h.

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Arizona Public Service Company

PALO VERDE NUCLEAR GENERATING STATION
P.O. BOX 52034 • PHOENIX, ARIZONA 85072-2034

192-00517-JGH/TDS/RKR
September 12, 1989

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 No. NPF-51)
Special Report 2-SR-89-006
File: 89-020-404

Attached please find Special Report 2-SR-89-006 prepared and submitted pursuant to Technical Specifications 3.3.3.1 ACTION 27-3 and 6.9.2. This report discusses a radiation monitor inoperable for greater than 72 hours.

If you have any questions, please contact T. D. Shriver, Compliance Manager, at (602) 393-2521.

Very truly yours,

for
J. G. Haynes
Vice President
Nuclear Production

JGH/TDS/RKR/kj

Attachment

cc: W. F. Conway (all w/a)
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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-89-006

This Special Report is being submitted pursuant to Technical Specification 3.3.3.1 ACTION 27-3 and Technical Specification 6.9.2 to report an event in which the Containment High Range Area Radiation Monitor (RU-149) was inoperable for greater than 72 hours. The 72 hour limit for returning the monitor to an operable status was exceeded at approximately 0750 MST on August 17, 1989. Pursuant to Technical Specification 3.3.3.1 ACTION 27-1 the Preplanned Alternate Program was initiated to monitor the appropriate parameters.

At approximately 0750 MST on August 14, 1989, Palo Verde Unit 2 was in Mode 1 (POWER OPERATION) at approximately 100 percent power when the Containment Area High Range Radiation Monitor (RU-149) was declared inoperable due to the monitor spiking high. The problem was discovered by Radiation Protection personnel.

An authorized work document was issued to troubleshoot and rework or replace components as necessary. No component problems were identified during troubleshooting. Radiation Monitor RU-149 was calibrated in accordance with an approved procedure and was found to be within the calibration requirements. Radiation Monitor RU-149 indication was observed from approximately 1600 MST on August 18, 1989, through approximately 0700 MST on August 22, 1989, without any fluctuation or spiking.

Radiation Monitor RU-149 was returned to service at approximately 0836 MST on August 22, 1989, following satisfactory completion of the appropriate retesting.

No component failures were identified. An engineering evaluation of the monitor spiking is being performed. If the evaluation identifies additional information which would significantly change the reader's perception of this event, a supplement to this report will be submitted.