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 FACIL: STN-50-529 Palo Verde Nuclear Station, Unit 2, Arizona Publi 05000529
 AUTH. NAME AUTHOR AFFILIATION
 HAYNES, J. G. Arizona Nuclear Power Project (formerly Arizona Public Serv
 RECIP. NAME RECIPIENT AFFILIATION
 MARTIN, J. B. Office of Inspection & Enforcement, Director (E20201-870411

SUBJECT: Special rept 2-sr-87-004: on 870305, low & high range noble
 gas activity monitors inoperable for more than 72 h. Caused
 by failure of flow control valve coupling to perform
 intended function. Coupling replaced.

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

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NOTES:			1	1					



Arizona Nuclear Power Project

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

192-00169-JGH/TRB/ESP
March 30, 1987

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 2
Docket No. STN 50-529 (License NPF-51)
Special Report 2-SR-87-004
File: 87-020-404

Dear Mr. Martin:

Attached please find a Special Report 2-SR-87-004 prepared and submitted pursuant to Technical Specifications 3.3.3.9 and 6.9.2. This report discusses Radiation Monitors Inoperable 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
Vice President
Nuclear Production

JGH/TRB/ESP/cld

Attachment

cc: O. M. DeMichele (all w/a)
E. E. Van Brunt, Jr.
R. P. Zimmerman
R. C. Sorenson
E. A. Licitra
A. C. Gehr
INPO Records Center

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PALO VERDE NUCLEAR GENERATING STATION

RADIATION MONITORS INOPERABLE FOR GREATER THAN 72 HOURS

License No. NPF-51

Docket No. STN 50-529

Special Report No. 2-SR-87-004

This Special Report is being submitted pursuant to Technical Specification (T.S.) 3.3.3.9 ACTION 42b and T.S. 6.9.2 to report an event in which low and hi range noble gas activity monitors (RU-141 and RU-142) were inoperable for greater than 72 hours. The monitors were initially declared inoperable on March 5, 1987 at 0101 while the unit was in Mode 5 (COLD SHUTDOWN) due to continuous low flow alarms. At 0607 on March 5, 1987 the unit entered Mode 4 (HOT STANDBY) and the monitors are required by Technical Specifications to be operable. The 72 hour limit for returning the monitors to operability was exceeded at approximately 0607 MST on March 8, 1987. Pursuant to T.S. 3.3.3.9 ACTION 42a the Preplanned Alternate Sampling Program was initiated to monitor the plant ventilation system.

Troubleshooting conducted under an authorized work document revealed that the flow control valve coupling was not performing its intended function. The coupling device transmits rotational movement of the motor to the valve stem. It also has a limit switch arm that through threading actuates the limit switches. This threaded portion became galled (thread stripped) and the limit switch arm would not move preventing valve movement. As immediate corrective action, the coupling was replaced. A root cause of failure request has been initiated and will address the potential of similar cases in other monitors encompassing all three units.

To return RU-141 and RU-142 to service, Quarterly Functional Test (36ST-9SQ04) was successfully performed. The monitor was declared operable at 1355 on March 10, 1987. The monitor was unavailable for 5 days, 7 hours and 48 minutes.