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 HAYNES,J.G. Arizona Nuclear Power Project (formerly Arizona Public Serv
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SUBJECT: Special Rept 1-SR-88-004:on 880407,loose part detection
 instrumentation inoperable for more than 30 days.

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Arizona Nuclear Power Project

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192-00365-JGH/TDS/JEM
April 12, 1988

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

Dear Sirs:

Subject: Palo Verde Nuclear Generating Station (PVNGS)
Unit 1
Docket No. STN 50-528 (License No. NPF-41)
Special Report 1-SR-88-004
File: 88-020-404

Attached please find Special Report 1-SR-88-004 prepared and submitted pursuant to Technical Specification 3.3.3.7 ACTION a and Technical Specification 6.9.2. This report discusses the loose-part detection instrumentation being inoperable for more than 30 days.

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

Very truly yours,


J. G. Haynes
Vice President
Nuclear Production

JGH/TDS/JEM/kj

Attachment

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PALO VERDE NUCLEAR GENERATING STATION

LOOSE-PART DETECTION INSTRUMENTATION

License No. NPF-41

Docket No. 50-528

Special Report No. 1-SR-88-004

This Special Report is being submitted pursuant to Technical Specification 3.3.3.7 ACTION "a" and Technical Specification 6.9.2 addressing the loose-part detection instrumentation being inoperable for more than 30 days. The 30 day period for returning the system to an operable status was exceeded at approximately 0010 MST on April 7, 1988.

Palo Verde Unit 1 entered Mode 2 (STARTUP) at approximately 0010 MST on March 8, 1988 upon completion of its first refueling outage. The inoperable portion of the loose-part detection instrumentation is in the circuitry associated with instrument number JSVNYE-2, which is located on the upper reactor vessel head. The inoperable status is caused by a break-up of the signal coming from the sensor.

The sensor and the hardline cable had been replaced as discussed in letter ANPP-36011-EEVB/KLM-98.05, E. E. Van Brunt, Jr. to Director of Nuclear Reactor Regulation, dated April 9, 1986. Surveillance Test 36ST-9SV02 (Vibration and Loose Parts Monitoring System Calibration Test) was performed satisfactorily on loose-part detection instrumentation in January, 1988. The reactor vessel head was removed for inspection and maintenance and reinstalled in February, 1988. On March 4, 1988 the loose-part detection instrumentation channel 2 problem was identified and is believed to be either the sensor or the cable although an exact root cause has not been determined.

An authorized work control document has been prepared and will be scheduled for the next outage of sufficient duration.

