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January 23, 1984

ANPP-28674-BSK/TRB

U. S. Nuclear Regulatory Commission  
Region V  
Creekside Oaks Office Park  
1450 Maria Lane - Suite 210  
Walnut Creek, CA 94596-5368

Attention: Mr. T. W. Bishop, Director  
Division of Resident  
Reactor Projects and Engineering Programs

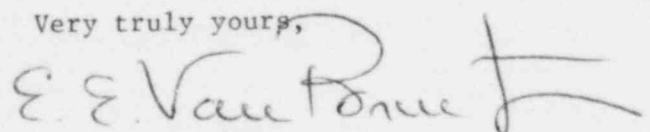
Subject: Final Report - DER 83-67  
A 50.55(e) Reportable Condition Relating to Ex-Core Detector  
Enclosures are below the Design Basis Flood Level.  
File: 84-019-026; D.4.33.2

Reference: A) Telephone Conversation between P. Johnson and R. Tucker on  
September 28, 1983  
B) ANPP-28134 dated October 28, 1983 (Interim Report)  
C) ANPP-28459 dated December 19, 1983 (Time Extension)

Dear Sir:

Attached is our final written report of the Reportable Deficiency under  
10CFR50.55(e), referenced above.

Very truly yours,



E. E. Van Brunt, Jr.  
APS Vice President, Nuclear  
ANPP Project Director

EEVB/TRB:db  
Attachment

cc: See Page Two

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PDR ADOCK 05000528  
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Mr. T. W. Bishop  
DER 83-67  
Page Two

cc: Richard DeYoung, Director  
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U. S. Nuclear Regulatory Commission  
Washington, D. C. 20555

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FINAL REPORT - DER 83-67  
DEFICIENCY EVALUATION 50.55(e)  
ARIZONA PUBLIC SERVICE COMPANY (APS)  
PVNGS UNITS 1, 2, & 3

I. Description of Deficiency

During startup inspection it was discovered that startup and control enclosures for the non-safety related excore detectors were installed in the Containment building below the design basis flood level of 90'-6". The eight common drain lines for the excore detectors allows water to back flow into the safety channel thimbles installed above the design basis flood level of 90'-6". The safety channel detectors are not qualified for submersion.

II. Analysis of Safety Implications

This condition could result in a loss of excore neutron level indication during a design basis event (DBE), and is unacceptable.

Based on the above, this condition is evaluated as reportable under the requirements of 10CFR50.55(e), since if this condition were to remain uncorrected, it would represent a significant safety condition.

III. Corrective Action

- A. The startup and control enclosures will be relocated above the design basis flood level of 90'-6" for all 3 units. The following design change packages have been issued and implementation will be prior to fuel load for the respective units.

1-SE-SE-015

2-CE-SE-015

3CE-SE-015

- B. Startup Field Report 1SE-100 shall be dispositioned by referencing the DCP's and this DER.
- C. Bechtel Engineering has determined that this condition was an isolated case and only related to the safety channel thimbles.