Arizona Public Service Company

September 17, 1984
ANPP-30531-TDS/TRB

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

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

Subject: Interim Report - DER 84-62
A 50.55(e) Potentially Reportable Deficiency Relating To Load Sequencer Did Not Function Properly During Safeguards Testing.
File: 84-019-026; D.4.33.2

Reference: Telephone Conversation between P. Narbut and T. Bradish on August 17, 1984

Dear Sir:

The NRC was notified of a potentially reportable deficiency in the referenced telephone conversation. At that time, it was estimated that a determination of reportability would be made within thirty (30) days.

Due to the extensive investigation and evaluation required, an Interim Report is attached. It is now expected that this information will be finalized by October 12, 1984, at which time a complete report will be submitted.

Very truly yours,

EEVanBrunt/ASK

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

EEVB/TRB/nj
Attachment

cc: See Page Two

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cc: Richard DeYoung, Director
Office of Inspection and Enforcement
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

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INTERIM REPORT - DER 84-62
POTENTIAL REPORTABLE DEFICIENCY
ARIZONA PUBLIC SERVICE COMPANY (APS)
PVNGS UNIT 1

I. Potential Problem

When BOP ESFAS is in Mode 1 (SIAS and DG running), a subsequent Loss of Power (LOP) will cause an immediate closure of the DG brkr. This in turn starts Mode 1 sequencing which "sequences on" the HPSI and 480VLC in .5 seconds. Also, immediately after LOP, a one-second load shed occurs which overlaps the .5-second HPSI/480VLC closure. Consequently, the respective HPSI/480LVC breakers receive open and close signal concurrently. This causes the anti-pump circuit to lockout the breaker. Thus, HPSI and 480VLC do not come on line.

Also, when the 480VLCs were sequenced to close after they were tripped by the load shed, the breakers did not attempt to close. This problem was discovered in the analyses of the recorder graphs which were taken during the above test.

II. Approach To and Status Of Proposed Resolution

Bechtel Engineering is currently studying this problem to determine reportability and technical justification for corrective action.

III. Projected Completion of Corrective Action and Submittal of the Final Report

The complete evaluation and final report are forecast to be completed by October 12, 1984.