

ARIZONA



PUBLIC SERVICE COMPANY

P. O. BOX 21666 · PHOENIX, ARIZONA 85036

June 26, 1981
ANPP-18289-BSK/JAR



U. S. Nuclear Regulatory Commission
Region V
Walnut Creek Plaza - Suite 202
1990 North California Boulevard
Walnut Creek, California 94596

Attention: Mr. B. H. Faulkenberry, Chief
Reactor Construction and
Engineering Support Branch

Subject: Interim Report
A 50.55(e) Potentially Reportable Deficiency Relating
to the Turbine Driven Pump Which Cannot Provide Auxiliary
Feedwater Flow Within 10 Seconds With Off-Site Power
Available and a Failure of the Motor Driven Pump
File: 81-019-026
D.4.33.2

Reference: Telephone Conversation between J. Eckhardt and B. S.
Kaplan on June 5, 1981 (DER 81-15)

Dear Sir:

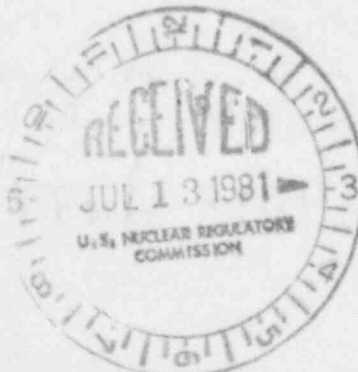
The NRC was notified of a potentially reportable deficiency in the
referenced telephone conversation. At that time, it was estimated
that a determination of reportability would be made within thirty (30)
days.

Due to the extensive investigation and evaluation required, an interim
report is attached. It is now expected that this information will be
finalized by February 1, 1982, at which time a complete report will be
submitted.

Very truly yours,

E. E. Van Brunt, Jr.

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



EEVBJR/BSK:skc
Attachment

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cc: Victor Stello, Jr., Director
Office of Inspection and Enforcement
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

A. C. Gehr
Snell & Wilmer

R. L. Robb
D. B. Fasnacht
W. E. Ide
J. M. Allen
A. C. Rogers
J. A. Brand
W. H. Wilson
W. G. Bingham
W. J. Stubblefield
R. L. Patterson
R. W. Welcher
D. R. Hawkinson

INTERIM REPORT
POTENTIAL REPORTABLE DEFICIENCY
ARIZONA PUBLIC SERVICE COMPANY (APS)
PVNGS UNIT 1, 2 AND 3

I. Potential Problem

Combustion Engineering's (CE) CESSAR, in Sections 5.1.4.F.9 and 5.1.4.G.6, states that auxiliary feedwater flow, with off-site power available and a single failure, must reach the steam generator within 10 seconds. Combustion Engineering's auxiliary feedwater interface requirement to initiate flow within 10 seconds is to ensure that auxiliary feedwater reaches the steam generators before the steam generators boil dry.

Correspondence between CE, Bingham-Willamette Company, and Bechtel determined that with loss of off-site power and a single failure of the motor driven auxiliary feedwater pump, the turbine driven pump cannot initiate flow within 10 seconds.

II. Approach To and Status Of Proposed Resolution

Combustion Engineering will re-analyze the 10-second initial flow requirement to determine if a longer time can be established. A quick-start test on the turbine is recommended to verify supplier's (Bingham-Willamette) verbal belief that start time can be reduced by adjustment of the turbine governor. The analysis and test results will demonstrate adequacy of design. Engineering estimates that the turbine pump test can be completed within one month after approval of the test plan.

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

The Marathon/Bechtel analysis, review, disposition and final report of these conditions is forecast to be completed by February 1, 1982.