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Arizona Public Service Company

P.O. BOX 21666 • PHOENIX, ARIZONA 85036

May 23, 1984  
ANPP-29581-TDS/TRB

U. S. Nuclear Regulatory Commission  
Region V  
Creskide 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: Interim Report, Revision 1 - DER 83-80  
A 50.55(e) Potentially Reportable Deficiency Relating to Main  
Feedwater Isolation Valves Closed In Twenty (20) Seconds;  
Specification Requires A Five (5) Second Closing Time  
File: 84-019-026; D.4.33.2

Reference: A) Telephone Conversation between P. Narbut and K. C. Parrish  
on November 22, 1983  
B) ANPP-28462, dated December 19, 1983 (Interim Report)  
C) ANPP-28800, dated February 6, 1984 (Time Extension)  
D) ANPP-28980, dated March 2, 1984 (Time Extension)  
E) ANPP-29178, dated March 28, 1984 (Time Extension)

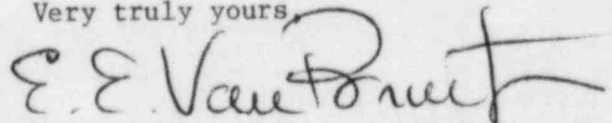
Dear Sir:

The NRC was notified of a potentially reportable deficiency in Reference A, an Interim Report was transmitted by Reference B, and Time Extensions were requested by References (C), (D), and (E). At that time, it was estimated that a Final Report would be available by May 25, 1984.

Due to the extensive investigation and evaluation required, a revised Interim Report is attached. It is now expected that this information will be finalized by July 20, 1984, at which time a complete report will be submitted.

Very truly yours,

54-528



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

EEVB/TRB:ru  
Attachment

cc: See Page Two

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Mr. T. W. Bishop  
DER 83-80  
Page Two

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 83-80  
POTENTIAL REPORTABLE DEFICIENCY  
ARIZONA PUBLIC SERVICE COMPANY (APS)  
PVNGS UNIT 1, 2, and 3

I. Potential Problem

Specification 13-MM-234A, requires that the Main Feedwater Isolation Valves (MFIV) shall close fully within 5 seconds after receipt of a signal. During Startup testing it was determined that the Anchor Darling valves supplied to PVNGS were designed to close within 20 seconds. The valves are identified by the following tag numbers:

1JSGA-UV-174	2JSGA-UV-174	3JSGA-UV-174
1JSGA-UV-177	2JSGA-UV-177	3JSGA-UV-177
1JSGB-UV-132	2JSGB-UV-132	3JSGB-UV-132
1JSGB-UV-137	2JSGB-UV-137	3JSGB-UV-137

II. Approach To and Status of Proposed Resolution

The hydraulic actuator of valve 1JSGB-UV-137 was returned to Anchor Darling and valve closure time tests were performed in the supplier's facility under simulated operating conditions. The tests demonstrated that the minimum closure time attainable with the existing equipment is 7.3 seconds. In order to provide margin for 40-year plant life it was agreed to specify a 10 (ten) second closure time for these valves.

Subsequently, Bechtel asked Combustion Engineering to provide the containment mass-energy analysis and Chapter 15 steam line break analysis to determine if a FWIV closing time of ten (10) seconds is acceptable.

Combustion Engineering has submitted a preliminary analysis which is currently being reviewed by Bechtel Engineering.

The final QA approved analysis from Combustion Engineering is forecast for May 1, 1984. Bechtel will review this analysis to determine the acceptable of the ten (10) seconds closing time for the FWIVs.

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

Evaluation of this condition and submittal of the Final Report is Forecast to be completed by July 20, 1984.