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1983 DEC 14 PM 12:33

December 5, 1983  
ANPP-28360-BSK/KCP  
REGION V

50-528

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 - DER 83-76  
A 50.55(e) Potentially Reportable Deficiency Relating to the  
Logic for the Auxiliary Feedwater Pump Turbine (AFPT) Steam  
Supply Valves is Contrary to FSAR Requirements  
File: 83-019-026; D.4.33.2

Reference: Telephone Conversation between R. Dodds and R. Tucker on  
November 2, 1983

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 January 28, 1984, 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 Management  
ANPP Project Director

EEVB/KCP:sls  
Attachment

cc: See Page Two

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PDR ADOCK 05000528  
S PDR

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Mr. T. W. Bishop  
DER 83-76  
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 83-76  
POTENTIAL REPORTABLE DEFICIENCY  
ARIZONA PUBLIC SERVICE COMPANY (APS)  
PVNGS UNIT 1

I. POTENTIAL PROBLEM

The logic (13-J-SGL-001) for the Auxiliary Feedwater Pump Turbine (AFPT) steam supply valves is contrary to the FSAR requirement. The present logic provides priority to \*AFAS-1 over AFAS-2 if both signals are simultaneously present. Upon the initiation of AFAS-1, a maintained AFAS-1 signal opens Steam Generator No. 1 (SG-1) steam supply valve to the AFPT and retains it open until manually reset by the operator. In case of a line break in SG-1, the existing logic, (AFAS-1 having priority over \*AFAS-2), will not permit AFAS-2 to transfer the steam supply from SG-1 to SG-2.

\*Auxiliary Feedwater Actuation Signal:

AFAS-1 - Steam Generator No. 1  
AFAS-2 - Steam Generator No. 2

II. APPROACH TO AND STATUS OF PROPOSED RESOLUTION

Bechtel Engineering is currently corresponding with C-E to determine the interface requirements for modifications to the existing auxiliary feedwater actuation logic.

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 January 28, 1984.