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June 6, 1983  
ANPP-23952-BSK/RQT

REGION VISE

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

Attention: Mr. D. M. Sternberg, Chief  
Reactor Projects Branch 1

Subject: Interim Report - DER 83-30  
A 50.55(e) Potentially Reportable Deficiency Relating to A354  
Bolt Broke When Torquing The Bolts On The Unit 2 Feedwater Pump  
File: 83-019-026; D.4.33.2

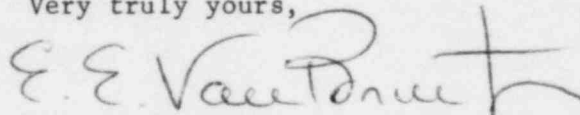
Reference: Telephone Conversation between T. Young and R. Tucker on  
May 5, 1983

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 August 17, 1983, at which time a complete report will be submitted.

Very truly yours,



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

50-529

EEVB/RQT:ru  
Attachment

cc: See Page 2

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IE-27

U. S. Nuclear Regulatory Commission  
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 83-30  
POTENTIAL REPORTABLE DEFICIENCY  
ARIZONA PUBLIC SERVICE COMPANY (APS)  
PVNGS UNIT 2

I. Potential Problem

While torquing an anchor bolt for the installation of the Unit 2 turbine driven Auxiliary Feedwater pump, the nut was observed to be rotating excessively before reaching the required torque. Torquing was stopped at that time. Upon return to the pump the following day, the bolt was found to have failed. The bolt is a high strength A-354 BD 1-1/4" diameter anchor bolt with a specified installation torque of 2360 ft-lbs. Thirteen bolts had already been successfully installed for the pump. Test records showed the failed bolt exhibited a hardness reading of L632, which is comparable to a Rockwell -C Hardness of 39.

II. Approach To And Status Of Proposed Reolution

1. The equipment supplier has been contacted regarding the broken stud. A seismic stress analysis has been requested for the case of only 13 installed studs to determine if the condition may be "used-as-is".
2. A testing program has been developed and is being conducted to assess whether the specified installation torque values are appropriate for providing the desired level of preload tension.

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 August 17, 1983.