

Arizona Public Service Company

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July 24, 1984  
ANPP-30028-TDS/TRB  
REGION VISE

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

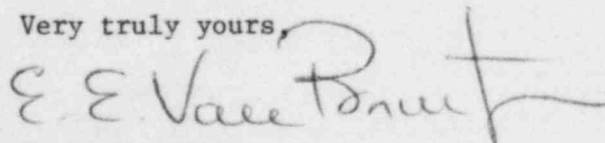
Subject: Final Report - DER 83-75  
A 50.55(e) Reportable Condition Relating To Bolts Securing The  
Two D0126SA Panel Filler Assemblies Were Improperly Torqued.  
File: 84-019-026; D.4.33.2

Reference: A) Telephone Conversation between R. Dodds and R. Tucker on  
November 23, 1983  
B) ANPP-28361, dated December 5, 1983 (Interim Report)  
C) ANPP-28663, dated January 23, 1984 (Time Extension)  
D) ANPP-28918, dated February 22, 1984 (Time Extension)  
E) ANPP-29284, dated April 12, 1984 (Time Extension)  
F) ANPP-29583, dated May 23, 1984 (Time Extension)  
G) ANPP-29828, dated June 26, 1984 (Time Extension)

Dear Sir:

Attached is our final written report of the deficiency referenced above,  
which has been determined to be Not Reportable under the requirements of  
10CFR50.55(e).

Very truly yours,



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

EEVB/TRB:db  
Attachment

cc: See Page Two

8408080499 840724  
PDR ADOCK 05000528  
S PDR

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IE-27

Mr. T. W. Bishop  
DER 83-75  
Page Two

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

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FINAL REPORT - DER 83-75  
DEFICIENCY EVALUATION 50.55(e)  
ARIZONA PUBLIC SERVICE COMPANY (APS)  
PVNGS UNITS 1, 2, 3

I. Description of Deficiency

The Foxboro Company notified Combustion Engineering (C-E) that a total of ten (10) Model D0126SA Filler Panels were assembled with insufficient torquing of the eight (8) mounting bolts by which the 1" thick load plates are mounted on the front panel. Two (2) of these panels were supplied to PVNGS but had not been installed as a final assembly by Bechtel. The load plates are installed to simulate the weight distribution of a loaded Foxboro Spec. 200 cabinet.

II. Analysis of Safety Implications

The undertorqued mounting bolts could conceivably cause the load plates to become disconnected from the panels during a seismic event. However, the load plate would be restricted in its movement on the same height in the cabinet, and there is only a remote possibility that the panel would fall down into the back of the cabinet. The operating modules in the cabinet are completely enclosed by a metal barrier so a falling load plate could not damage any equipment in the nest below. Additionally, the seismic integrity of the Foxboro cabinet is negligibly affected by the potential loss of a load plate from the filler panel assembly. The cabinet was qualified in various configurations so the structural integrity of the cabinet is not violated by the loss of a dummy nest.

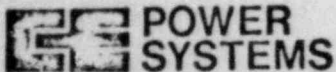
Based on C-E letter V-CE-19406 (attached) which addresses the analysis of the safety implications; this condition is evaluated as not reportable under the requirements of 10CFR50.55(e) or 10CFR Part 21, since if this condition were to remain uncorrected it would not represent a significant safety condition.

III. Corrective Action

- A. C-E initiated field action to have the eight mounting bolts on each of the two (2) panels in Unit 1 retorqued to the required 24-28 ft-lb range. NCR SJ-3077, dispositioned as "Rework" was completed on July 13, 1984.
- B. A copy of this report will be transmitted to CE for their review and response as to what steps have been taken to preclude recurrence for Units 2 and 3 and other equipment not yet delivered or initiated.

C-E Power Systems  
Combustion Engineering, Inc.  
1000 Prospect Hill Road  
Post Office Box 500  
Windsor, Connecticut 06095-0500

Tel. 203/688-1911  
Telex: 99297



218238

JOB 10407	
FILE	N.1.01
DEC 7 '83	
R	A
3	P. W. LINDMAN
2	PE SYSTEMS
1	APL NORTH
	APL MAJAHAN
	APL ALBY
	NO. PLACA
	CM. P. 1
	CM. P. 2
	PER
	PA
	PE/APPY (S/O)
	PA DA
	SMCH
	C/S
CC	UNIT/FAS
CC	E/FEI
	SP
	PLC/FAS
	PLANT RES.
	C/S
	CLIP
	POST-E
CC	KAS
CC	W.J.S.
CC	R. W. WELCHER
CC	K. J. STURTEWANT

Mr. W. G. Bingham  
Bechtel Power Corporation  
12400 East Imperial Highway  
Norwalk, CA 90650

December 2, 1983  
V-CE-19406

DER 83-75

Subject: Arizona Nuclear Power Project  
Bechtel Job No. 10407  
Foxboro D01265A Panel Filler Assemblies

- References: (A) Letter B/CE-E-46649 dated November 3, 1983  
(B) Deficiency Evaluation Report 83-75  
(C) Letter V-CE-20468, dated September 30, 1983

Dear Mr. Bingham:

We have reviewed the comments of Reference (A) as well as those of the Deficiency Evaluation Report (DER), Reference (B), attached thereto and respond as follows:

Two (2) of the subject Panel Filler Assemblies were shipped by the Foxboro Company on C-E Purchase Order No. 9603107-14273, Shipment 28. These two assemblies were part of a quantity of ten assemblies identified by Foxboro as having been assembled improperly. The deficiency was insufficient torquing of the 8 mounting bolts by which the 1" thick load plates are mounted to the front panel.

If this deficiency had not been reported and corrected, a seismic event could have conceivably caused the load plate to become disconnected from the panel and to drop onto the process instrumentation module nest immediately below in each of the two bays where the filler assemblies are located. However, the modules are completely enclosed by a metal barrier so that the load plate could not damage any equipment in the nest below. Therefore, the safe operation of the plant would not be jeopardized by this deficiency.

Field action was initiated by C-E to have the eight mounting bolts on each of the two panels torqued to 24-28 lb-ft as required, per the request in Reference (C).

Because this was an isolated occurrence with no generic applicability or impact on safety, we have not found this incident to be a reportable deficiency under the requirements of 10 CFR 50.55(e). C-E's evaluation was performed in accordance with our Quality Assurance of Design Manual. Although C-E's initial position, as indicated by FAR No. 14273-961, was that this change may be a reportable item, further evaluation has not determined it to be reportable. These documents are available for your review at the C-E Windsor Office. Corrective actions will be completed by December 31, 1983.

If we can be of further assistance in this matter, please advise.

Very truly yours,

*M. C. Marcus*  
for C.F.

C. Ferguson  
Project Manager

CF/JHF:db  
V-IPE-2766

cc: E. E. Van Brunt, Jr.  
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