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May 3, 1983

ANPP-23644-RQT/BSK

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←-530

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

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

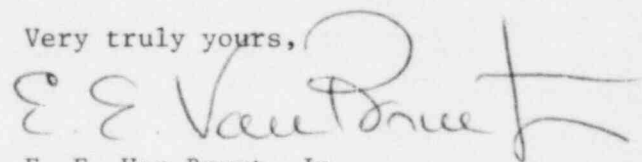
Subject: Final Report - DER 83-12
A 50.55(e) Reportable Condition Relating to General
Electric (GE) 480V MCC Size 2 Starter Add-On Inter-
locks May Malfunction
File: 83-019-026
D.4.33.2

Reference: (A) Telephone Conversation between P. Narbut and
G. Duckworth on March 9, 1983
(B) ANPP-23415, dated April 4, 1983 (Interim Report)

Dear Sir:

Attached, is our final written report of the Reportable Deficiency
under 10CFR50.55(e), referenced above.

Very truly yours,



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

EEVBJr/RQT:skc

Attachment

cc: See Page 2

8305130189 830503
PDR ADOCK 05000528
S PDR

IE-27

Mr. D. M. Sternberg, Chief
ANPP-23644-RQT/BSK
May 3, 1983
Page 2

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

T. G. Woods, Jr.
G. C. Andognini
J. A. Roedel
D. B. Fasnacht
A. C. Rogers
B. S. Kaplan
W. E. Ide
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R. M. Grant
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Records Center
Institute of Nuclear Power Operations
1100 Circle 75 Parkway - Suite 1500
Atlanta, Georgia 30339

FINAL REPORT - DER 83-12
DEFICIENCY EVALUATION 50.55(e)
ARIZONA PUBLIC SERVICE COMPANY (APS)
PVNGS UNITS #1 AND #3

I. Description of Deficiency

General Electric (GE) has advised Bechtel Power Corporation that an inherent operational Deficiency may exist in normally open electric interlocks (GE Part No. CR206D022ZACN) used with Class 1E, Size 2, Starters (see attached GE Letter, dated February 9, 1983). These Starters are located in Class 1E 480 Volt Motor Control Centers (MCC's) supplied by GE. The identified MCC's (1-E-PHA-M31, 1-E-PHB-M32 and 3-E-PHB-M34) are used in conjunction with the following safety-related equipment:

1. Diesel Generator Control Room Essential AHU Fans
M-HDA-A01 and M-HDB-A01
2. Essential Chilled Water Circulation Pumps M-ECA-P01
and M-ECB-P01
3. Fuel and Auxiliary Building Essential Exhaust AFU
Heater M-HFB-E01

This condition was conveyed to Bechtel after the GE equipment had been received and all of the qualification documentation completed.

II. Analysis of Safety Implications

This condition is evaluated as Reportable. The subject Deficiency could potentially result in the malfunction of the safety-related equipment itemized above, constituting a safety significant condition as defined by 10CFR50.55(e).

III. Corrective Action

Design Change Package No. ISE-PH-034 and No. 3CE-PH-034 will be issued to implement GE's corrective action plan.

In addition to reportability under 10CFR50.55(e), Bechtel PVNGS Project considers the Deficiency to be Reportable under the requirements of 10CFR Part 21. Deficiency Evaluation Report No. 83-12 addresses the reporting requirements specified under 10CFR21.21(b)(3) with the exception of Sub-Part (vi) which requires the number and location (customers and/or facilities) of other possible defective equipment. A copy of this report will be sent to GE requesting their review for reporting under 10CFR Part 21, including number and location of all components supplied.

GENERAL ELECTRIC

C

INSTALLATION AND SERVICE ENGINEERING DIVISION

GENERAL ELECTRIC COMPANY, P. O. BOX 10419, 5320 NORTH 16TH STREET
PHOENIX, ARIZONA 85064, Phone (602) 241-7237

INDUSTRIAL SERVICES

February 9, 1983

Bechtel Power Corporation
12400 East Imperial Highway
Norwalk, California 90650

Attention: W.G. Bingham
Project Engineering Manager

Subject: Palo Verde Nuclear Generating Station
Bechtel Job 10407
480V Motor Control Centers; EM018
Auxiliary interlocks

Dear Mr. Bingham:

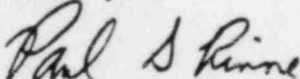
Please find attached a list of 480V MCC equipment located at the Palo Verde site having Size 2 Starters containing normally open add-on interlocks that potentially may malfunction.

Replacement interlocks are presently being certified at our Mebane Manufacturing Facility. However, before we send these replacements to the site, we will need the necessary Bechtel identification (i.e., DCP #, NCR #, etc.), so that they can be received at the Bechtel Warehouse. Please provide me with this information so that we may proceed with shipment.

In addition, General Electric Engineering Services will provide technical direction to direct Bechtel craft labor in the interlock changeout and therefore, I would appreciate knowing who to contact to schedule the work.

Your assistance in providing me with the necessary information is greatly appreciated.

Thank you.



Paul S. Rinne
Field Engineering Supervisor
Apparatus & Engineering Services

cc: Mike Torikan, Bechtel-Downy
Rich Roessler, GE-Mebane
John Corbitt, GE-Bloomington
Les Fickel, GE-Los Angeles
Norm David, GE-Phoenix

Attachments
PSB:rmh

184335

JOB 10407

FILE EM-018

FEB 11 '83

R	PLANT INFORMATION	A
3	PE STIEMS	
7	APL NETH	
	APL MALABAR	
	APL ALEY	
	RE BLACK	
	COORD 1	
	COORD 2	
	PDE	
	PE	
	PL/WHO (SFOL)	
	PA	DA
	ARCH	
	C/S	
	CONTROLS	
CH	ELEC	
	BRCH	
	W/CLINT	
	PLANT DESIGN	
	STR & SUP	
	CLIENT	
	PO FILE	

Therney

1E SIZE 2 STARTERS WITH N.O. ADD-ON BLOCK

Customer: Bechtel/Palo Verde
Customer P.O.: 13-10407-E018-234
Requisition No.: 480-55032
G.E. ML No.: 443X015---

Address: P.O. Box 49
Palo Verde, AZ 85343
Attention: Field Procurement,
Jim Crotwell

<u>MCC No.</u>	<u>G.E. ML Item No.</u>	<u>Unit Loc.</u>	<u>G.E. Part No.</u>	<u>Qty.</u>	<u>Cust. Unit Ref.</u>	<u>Cust. Device No.</u>
151 ¹ E-PHA-M31	M02	DR2	CR206D022ZACN	1	M3116	42
		ER1	CR206D022ZACN	1	M3118	42
		ER2	CR206D022ZACN	1	M3113	42
152 ¹ E-PHB-M32	M03	AR3	CR206D022ZACN	1	M3216	42
		CR2	CR206D022ZACN	1	M3215	42
		BF1	CR206D022ZACN	1	M3204	42
3-E-PHB-M34	M05	BR1	CR206D022ZACN	1	M3423	42