

ARIZONA



PUBLIC SERVICE COMPANY

STA. 3003

P.O. BOX 21666 - PHOENIX, ARIZONA 85036

October 14, 1982  
ANPP-22021-GHD/BSK

U. S. Nuclear Regulatory Commission  
Region V  
Creskide 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 82-19  
A 50.55(e) Report Relating to Class 1E Motor Control  
Center by G.E. Burned Out Due to Damage During Testing  
File: 82-019-026  
D.4.33.2

Reference: (A) Telephone Conversation between J. Eckhardt and  
G. Duckworth on April 30, 1982  
(B) ANPP-21161, dated June 9, 1982 (Interim Report)  
(C) ANPP-21640, dated August 18, 1982 (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 Projects Management  
ANPP Project Director

EEVBjr/GHD:db

Attachment

cc: See Attached Page 2

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U. S. Nuclear Regulatory Commission  
Attention: Mr. D. M. Sternberg, Chief  
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October 14, 1982  
ANPP-22021-GHD/BSK

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 82-19

DEFICIENCY EVALUATION 50.55(e)

ARIZONA PUBLIC SERVICE COMPANY (APS)

PVNGS UNIT 1

I. DESCRIPTION OF DEFICIENCY

Class IE General Electric motor control center (MCC-IE-PHA-M31) cubicle PHA-M3117 shorted out after completing the prerequisite tests and being reinstalled into the MCC. Initially, it was believed that one of the power cables on the back plate was punctured by the protruding end of a mounting screw which attaches the motor contractor.

Further investigation into the defect revealed the probable cause to be introduced during the bench test wherein the unit could have dropped or some foreign object was left in the unit causing the latent defect. This condition was not discovered prior to reinstallation and activation of the equipment.

General Electric's review of this condition indicates this to be an isolated case since it has not experienced any similar conditions during the many years this generic design has been in use. (Reference General Electric letter to Bechtel Power Corporation dated May 18, 1982, copy attached.)

II. ANALYSIS OF SAFETY IMPLICATIONS

This condition is evaluated as not reportable. It has been determined to be an isolated case attributed to mishandling during testing, and would not remain uncorrected since the MCC was rendered completely inoperative.

III. CORRECTIVE ACTION

Nonconformance SE-0569 will be dispositioned to replace the damaged components. The generic test procedures 203.1 Switchgear, Load Center, and Motor Control Tests and 203.2 Motor Control Center Test are being revised to provide specific direction and warning in regard to the potential damage which can occur to the power cables during testing and reinstallation.

# GENERAL ELECTRIC

Attachment to DER 82-19  
**ELECTRIC UTILITY**  
**SALES DIVISION**

GENERAL ELECTRIC COMPANY, 9350 E. FLAIR DR., EL MONTE, CALIFORNIA 91734  
 Phone: (213) 572-5200  
 MAILING ADDRESS: P.O. BOX 2830, TERMINAL ANNEX, LOS ANGELES, CALIF. 90051

May 18, 1982

Bechtel Power Corporation  
 P.O. Box 60860  
 Terminal Annex  
 Los Angeles, CA 90060

Attn: W. G. Bingham

Subj: Arizona Nuclear Power Project  
 480V MCCs  
 EM-018  
 DER 82-19

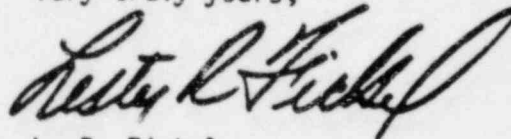
Gentlemen:

This problem was investigated at the site by Mr. R. C. Roessler, Jr. from our Mebane factory.

The type of failure did not appear to be caused by the cable being punctured. A complete examination was not possible because of the equipments inaccessibility. We have requested the unit be returned to Mebane for investigation; however, the unit may have been dismantled and used for parts.

Using historical data as support, we have had no failures of any kind that we are aware of on 7700 line motor control centers which could be attributed to a self tapping mounting screw piercing the insulation on the line cables of those starter units. This design has been utilized since 1960 and over 200,000 units are currently in operation. The units are safe as designed and no action is necessary.

Very truly yours,



L. R. Fickel  
 Sales Engineer

167214  
 JOB NO. 40407  
 FILE EM-018  
 MAY 20 '82

	PE W. BINGHAM
2	PE STELLS
1	PE KEITH
	PE WILSON
	PE ALET
	MR. BLACK
	CONRAD I
	CONRAD 2
	PCE
	PE
	PE/WRK ESFO
	PA DA
	ARCH
	C/S
	CONTROLS
2	ELECT
	MECH
	NUCLEAR
	PLANT DESIGN
	STR & SUP
1	CLIENT
1	PO FILE