

50.55(e) Report
NRC

Arizona Public Service Company

P.O. BOX 21666 • PHOENIX, ARIZONA 85036

1003 APR 11 PM 2:22
April 6, 1983
ANPP-23443-BSK/RQT

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

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

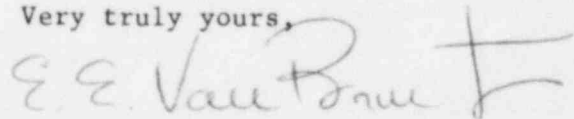
Subject: Final Report, Revision 1 - DER 82-78
A 50.55(e) Reporting to Improperly Crimped Termination Lugs in
Control Panels for Water Chillers by Carrier Air Conditioning
File: 83-029-026; D.4.33.2

Reference: A) Telephone Conversation between T. Young and J. Cook on
December 17, 1982
B) ANPP-22734 dated January 17, 1983 (Final Report)

Dear Sir:

Enclosed is revision one of the subject Deficiency Evaluation Report
under the requirements of 10CFR50.55(e). This revision provides
correction of design change package numbers.

Very truly yours,



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

EEVB/RQT:wp
Attachment

cc: See Attached Page Two

1927

U. S. Nuclear Regulatory Commission

Page Two

ANPP-23443-BSK/RQT

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
J. Vorees
J. R. Bynum
D. D. Green
P. P. Klute
A. C. Gehr
W. J. Stubblefield
W. G. Bingham
R. L. Patterson
R. W. Welcher
R. M. Grant
D. R. Hawkinson
L. E. Vorderbrueggen
G. A. Fiorelli

FINAL REPORT, REVISION 1 - DER 82-78
DEFICIENCY EVALUATION 50.55(e)
ARIZONA PUBLIC SERVICE COMPANY (APS)
PVNGS UNITS 1, 2 & 3

I. Description of Deficiency

During surveillance activity and random inspection of the Unit 2 Control Building Chiller Control Panels 2J-ECB-E02 and 2J-ECA-E03 supplied by Carrier Air Conditioning, it was found that the electrical terminations did not comply with the visible inspection criteria for the Thomas & Betts crimp lug terminations. This criteria is established by Thomas & Betts Basic Criteria and Installation Procedures (TRM-1) dated June, 1978. The visual defects include:

- ° Terminations exceed 1/16" of conductor extending beyond the barrel of the lug.
- ° Conductor not exposed from barrel of the lug.
- ° Paper not removed from conductor prior to crimping barrel of the lug.
- ° Lugs were reversed, preventing visual inspection.

II. Analysis of Safety Implications

This condition is evaluated as Reportable. If inadequately crimped lugs were left uncorrected, potential open or short circuits could jeopardize functioning of this safety related equipment.

III. CORRECTIVE ACTION

All Class IE terminations utilizing crimp type lugs in the subject equipment shall be inspected to visual criteria which provide that the conductor shall be approximately flush with or protrude through the barrel approximately 1/16". Any connectors which do not meet this criteria shall be repaired, as applicable, following the termination practices established in Bechtel Construction Specification 13-EM-306. This condition will be corrected via the following Design Change Packages:

1-IR-004

2-IR-004

3-IR-004

| ①

In addition to reportability under 10CFR50.55(e), PVNGS Project considers the deficiency to be Reportable by the supplier under the requirements of 10CFR Part 21. This report satisfies 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 possibly defective equipment. A copy of this report will be transmitted to Carrier Air Conditioning requesting their review for reporting under 10CFR Part 21.