

50.55(e) Report RECEIVED NRC

Arizona Public Service Company

P.O. BOX 21666 • PHOENIX, ARIZONA 85036

1983 JAN 21 PM 12:48

January 17, 1983
ANPP-22736-GHD/BSK

REGION VISE

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: Interim Report - DER 82-80
A 50.55(e) Potentially Reportable Deficiency Relating
to Conax Electrical Penetrations Low Insulation Resistance
Does Not Meet Qualification Tests
File: 83-019-026
D.4.33.2

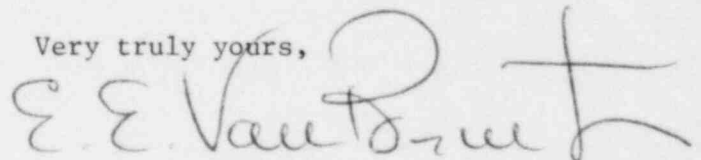
Reference: Telephone Conversation between T. Young and G. Duckworth
on December 17, 1982

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 May 10, 1983, at which time a complete Report will be
submitted.

Very truly yours,



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

EEVBJr/GHD:skc

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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January 17, 1983
Page 2

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 82-80
POTENTIAL REPORTABLE DEFICIENCY
ARIZONA PUBLIC SERVICE COMPANY (APS)
PVNGS UNITS 1, 2 AND 3

I. Potential Problem

Specification 13-EM-035A requires that Electrical Penetration Assemblies (EPA) be qualified to IEEE Standard 317-1976. Section 5.2 of IEEE 317-76 requires that the Instrumentation Circuits in EPA be designed to meet the requirements of the instrumentation system in which they are used.

Review of Qualification Reports for Terminal Blocks supplied by Conax Corporation has revealed substantially low insulation resistance values during the Design Basis Event Simulation Tests. Low level signals (up to a maximum 48 VDC and 4-20 ma range) cannot tolerate this low insulation resistance condition. This could result in erroneous control functions that may jeopardize reliable plant operation under an accident condition.

II. Approach To and Status Of Proposed Resolution

Bechtel is corresponding with Conax Corporation to disposition this concern.

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 May 10, 1983.