

50.55(e) Report

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ARIZONA



PUBLIC SERVICE COMPANY

STA. 3003

P.O. BOX 21666 - PHOENIX, ARIZONA 85036

October 25, 1982

ANPP-22092-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: Interim Report - DER 82-53  
A 50.55(e) Potentially Reportable Deficiency Relating to  
Failure of Joy Fan Blade Caused 2-Inch Penetration Of Unit 1  
Containment Liner Plate  
File: 82-019-025  
D.4.33.2

Reference: Telephone Conversation between J. Eckhardt and G. Duckworth  
on September 24, 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 December 22, 1982, at which time a complete report will be  
submitted.

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 25, 1982  
ANPP-22092-GHD/BSK

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 82-53

POTENTIAL REPORTABLE DEFICIENCY

ARIZONA PUBLIC SERVICE COMPANY (APS)

PVNGS UNIT 1

I. POTENTIAL PROBLEM

A vane axial fan, Tag No. 1-M-HCN-A01B, installed in the Containment Building experienced blade failure after 11,016 hours. The failure resulted in severe damage to the housing, and a blade piece penetrated the containment liner plate causing a 2"L x 1/2"W rupture. The fan assembly was removed and returned to the Joy Manufacturing for examination.

The preliminary investigation has indicated that the blade failures were a result of being loose. The fan blades are cast 17-4PH made by Valcast, the hubs are CA40, and the fasteners which secure the blades to the hub are galvanized steel.

II. APPROACH TO AND STATUS OF PROPOSED RESOLUTION

All similar fans at the jobsite are being checked for torque, blade angle, and visually for cracks. These inspections are being conducted by Bechtel's subcontractor, Waldinger Corporation, and coordinated with a representative from Joy Manufacturing. Bechtel Engineering is coordinating the overall evaluation of this condition with Bechtel's Material and Quality Services and with Joy Manufacturing.

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 December 22, 1982.