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Arizona Public Service Company

June 5, 1984  
ANPP-29668-TDS/TRB

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

Attention: Mr. T. W. Bishop, Director  
Division of Resident  
Reactor Projects and Engineering Programs

Subject: Interim Report - DER 84-29  
A 50.55(e) Potentially Reportable Deficiency Relating to  
Buildup Of Material On Unit 2 Diesel Generator Heat Exchangers.  
File: 84-019-026; D.4.33.2

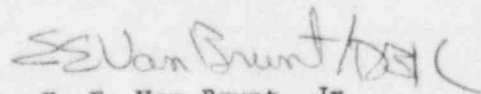
Reference: Telephone Conversation between P. Narbut and T. Bradish on May  
11, 1984

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 November 16, 1984, at which time a complete report will be  
submitted.

Very truly yours,



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

EEVB/TRB:db  
Attachment

cc: See Page Two

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PDR ADOCK 05000529  
S PDR

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Mr. T. W. Bishop  
DER 84-29  
Page Two

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 84-29  
POTENTIAL REPORTABLE DEFICIENCY  
ARIZONA PUBLIC SERVICE COMPANY (APS)  
PVNGS UNIT 2

I. Potential Problem

1. All Unit 2 Diesel Generator Heat Exchangers (Train A and Train B) have a significant buildup of unknown material on internal surfaces which restricts water flow.

- a. Governor oil coolers 2MDGA-E02 and 2MDGB-E02 (NCR SM-4064)  
Fuel oil coolers 2MDGA-E03 and 2MDGB-E03 (NCR SM-4064)

Note: Governor oil cooler 2MDGB-E02 has sufficient buildup to completely block cooling. These coolers are non-coated.

- b. Jacket water coolers 2MDGA-E05 and 2MDGB-E05 (NCR SM-3938)  
Lube oil coolers 2MDGA-E04 and 2MDGB-E04 (NCR SM-3938)  
Air after-coolers 2MDGA-E01A and 2MDGB-E01B (NCR SM-3938)

Note: These coolers have placite coating.

2. Lining failure indications (placite coating) were identified on the following heat exchangers:

Jacket water cooler 2MDGA-E05 has blistering, moisture entrapment between coating, multi-coat delamination, and widespread rust nodule formation where lining has ruptured. Sheet delamination from machined surfaces of cooler cover plates was observed. (NCR SM-3898)

Air after-coolers 2MDGA-E01A and 2MDGB-E01B have severe lining failure which includes partial delamination, blistering, and rust nodule formations. (NCR SM-3898)

Lube oil cooler 2MDGB-E04 has lining failure indications similar to above. (NCR SM-3938)

Lube oil cooler 2MDGA-E04 has blistering and peeling placite liner. (SWA 6610)

3. The stainless steel tubing that supplies water to and from the heat exchangers has a buildup of unknown material which restricts water flow in subsystem 2SP01 and 2SP02. (NCR SM-4064)

II. Approach to and Status of Proposed Resolution

Bechtel engineering is currently corresponding with Cooper Energy Services on this problem to determine reportability and technical justification for corrective action.

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 November 16, 1984.