

ARIZONA



PUBLIC SERVICE COMPANY

STA. _____

P.O. BOX 21666 - PHOENIX, ARIZONA 85036

November 18, 1981
ANPP-19498-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. B. H. Faulkenberry, Chief
Reactor Construction and
Engineering Support Branch

Subject: Final Report - DER 81-26
A 50.55(e) Report Relating to Blocked
Tubes in Unit 1 Steam Generators
File: 81-019-026
D.4.33.2

Reference: (A) Telephone Conversation between Bob Dodds and
B. S. Kaplan on August 20, 1981
(B) ANPP-18946, dated September 18, 1981, Interim
Report

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
ANPP Project Director

EEVBJr/GHD:skc

Attachment

cc: See Page 2



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U. S. Nuclear Regulatory Commission
Attention: Mr. B. H. Faulkenberry, Chief
ANPP-19498-CHL/BSK
November 18, 1981
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cc: Victor Stello, Jr., Director
Office of Inspection and Enforcement
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

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FINAL REPORT - DER 81-26
DEFICIENCY EVALUATION 50.55(e)
ARIZONA PUBLIC SERVICE COMPANY (APS)
PVNGS UNIT 1

I. Description of Deficiency

During Unit 1 Steam Generator tube eddy current examination, the "A" Steam Generator had eighty-one (81) blocked tubes and the "B" Steam Generator had nine (9) blocked tubes preventing passage of the eddy current probe. The obstructions were from felt cleaning plugs inadvertently left inside the steam generator tubes during cleaning operations in the CE shop. The subject felt plugs were subsequently removed by means of compressed air.

II. Analysis of Safety Implications

This condition is evaluated as being Not Reportable.

The following factors were considered in reaching this conclusion:

1. One of the requirements in the selection of the material for the cleaning plugs was that the material dissolve when exposed to primary coolant chemistry and temperature. Tests have shown that the felt plugs will completely decompose at 500°F in the water chemistry of the pre-core test program.
2. CE has determined that the decomposition products of the number of felt plugs reported will have no harmful effects, especially when the residue is diluted by the large inventory of primary water.
3. The effects of felt plug decomposition products on the reactor core need not be addressed, since the fuel will not be loaded until after hot-functional testing, by which time the decomposition products would have been removed from the system.

Based on the above information, it is concluded that the plugs left inside the steam generator tubes could not have adversely affected the safety of operation of the plant, therefore this situation is Not Reportable in accordance with 10CFR50.55(e) which addresses safety implications of manufacturing deficiencies assuming they go uncorrected.

III. Corrective Action

The blocked tubes have been cleared by removing the felt plugs.