

Arizona Public Service Company

P.O. BOX 21666 • PHOENIX, ARIZONA 85036

May 3, 1983

ANPP-23643-RQT/BSK

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

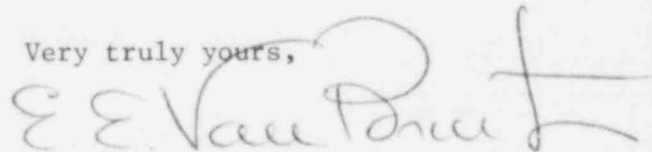
Subject: Final Report - DER 83-2
A 50.55(e) Reportable Condition Relating to Valve
Operators Accidentally Interchanged by Posi-Seal on
Inside and Outside Containment Valves for Unit #1
File: 83-019-026
D.4.33.2

Reference: (A) Telephone Conversation between A. D'Angelo and
G. Duckworth on January 25, 1983
(B) ANPP-23070, dated February 23, 1983 (Interim Report)
(C) ANPP-23515, dated April 15, 1983 (Time Extension)

Dear Sir:

Attached, is our final written report of the Reportable Deficiency
under 10CFR50.55(e), referenced above.

Very truly yours,



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

EEVBJr/RQT:skc

Attachment

cc: See Page 2

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PDR ADOCK 05000528
S PDR

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Mr. D. M. Sternberg, Chief
ANPP-23643-RQT/BSK
May 3, 1983
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cc: Richard DeYoung, Director
Office of Inspection and Enforcement
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

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Records Center
Institute of Nuclear Power Operations
1100 Circle 75 Parkway - Suite 1500
Atlanta, Georgia 30339

FINAL REPORT - DER 83-2
DEFICIENCY EVALUATION 50.55(e)
ARIZONA PUBLIC SERVICE COMPANY (APS)
PVNGS UNIT #1

I. Description of Deficiency

A Combustion Engineering letter documented a discrepancy in the installation of Valve Motor Operators. Unit #1 Posi-Seal Valves SI-673 through SI-676 are Motor Operated Valves located in the Containment Recirculation Sump to the Safety Injection Pump Suction Lines. At Posi-Seal, the Motor Operators qualified for inside Containment were installed on the outside Containment Valves (SI-674 and SI-676) and the Motor Operators qualified for outside Containment were installed on the inside Containment Valves (SI-673 and SI-675). The ability of the Safety Injection Systems to adequately perform their safety-related function is consequently indeterminate.

II. Analysis of Safety Implications

This condition is evaluated as Reportable. As indicated in Combustion Engineering Letter V-CE-18101 (attached), there is no reasonable assurance that the Motor Operators of Valves SI-673 and SI-675, which are not qualified for inside Containment, would operate to open the Valves during or after a LOCA. Failure of these two Motor Operators would prevent the Containment Spray and Safety Injection Systems from recirculating coolant from the Containment Sump and, thus, preclude their use to maintain RCS inventory and reduce Containment pressure and temperature from this source of coolant. If left uncorrected, the safety of operations could potentially be adversely affected.

III. Corrective Action

CE has taken action to have these Operators replaced in Unit #1. CE has notified Posi-Seal of this condition to preclude recurrence on the Valves supplied for Units #2 and #3. Modification was accomplished via PVNGS Work Orders No. 1813 and No. 1814 (STWO).

In addition to reportability under 10CFR50.55(e), Bechtel PVNGS Project has evaluated the Deficiency to be Potentially Reportable under the requirements of 10CFR Part 21 by the supplier. Deficiency Evaluation Report No. 83-2 addresses 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 possible defective equipment. A copy of this report will be transmitted to CE requesting that Posi-Seal Valve be notified to review/determine their responsibility for reporting under 10CFR Part 21, including number and location of all components supplied.



March 17, 1983
V-CE-18101

Mr. W. G. Bingham
Bechtel Power Corporation
12400 East Imperial Highway
Norwalk, California 90650

Subject: DER 83-02

Reference: (A) B/CE-E-43372 dated January 26, 1983

Dear Mr. Bingham:

The referenced letter noted a deficiency in the valve motor operators of SI-673 and SI-675.

In C-E's opinion, this condition is reportable under the requirements of 10CFR50.55 (2). C-E's evaluation was performed in accordance with our Quality Assurance of Design Manual, as indicated by FAR No. 646. This document is available for review at the C-E Windsor Office.

The valve operators installed had not been qualified for operation in a containment LOCA environment, therefore, we have no reasonable assurance that they would operate to open the valves during or after a LOCA. This would prevent the containment spray and safety injection systems from recirculating coolant from the containment sump, and thus preclude their use to maintain RCS inventory and reduce containment pressure and temperature from this source of coolant. This condition has been corrected by replacement of these operators on January 12, 1983.

Very truly yours,

M. F. Banochi for

C. Ferguson
Project Manager

CF/GW/mg
V-PPE-679

cc: Messrs:

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| 3 | PLANT DESIGN |
| 2 | ME. SYSTEMS |
| 1 | APL. DESIGN |
| | APL. ANALYSIS |
| | APL. ASSESS |
| | RE. ANALYSIS |
| | CONDUCT |
| | CONDUCT 2 |
| | PLA |
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| | RE. ANALYSIS |
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| | C. E. |
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| CC | MECH. |
| | NUCLEAR |
| | PLANT DES. |
| | STR. & SUP. |
| | CLIENT |
| | PL. FILE |
| W | WSS |
| W | W |
| W | STEWART |
| W | WELCHER |